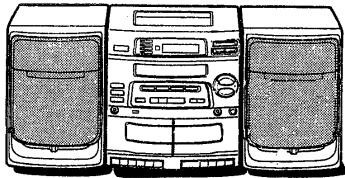


aiwa



NSX-E6



CD CARRY COMPONENT SYSTEM

- BASIC TAPE MECHANISM: TN-21ZSW-1622
- BASIC CD MECHANISM: 3ZG3-A6N
- TYPE: HR, G, K, EZ, EEZ

MANUAL
SERVICE

TABLE OF CONTENTS

SPECIFICATIONS	3
■ ACCESSORIES / PACKAGE LIST	3
PROTECTION OF EYES FROM LASER BEAM DURING SERVICING	
Precaution to replace Optical block (KSS-212A)	4
DISASSEMBLY INSTRUCTIONS	5
ELECTRICAL MAIN PARTS LIST	6~8
TRANSISTOR ILLUSTRATION	8
BLOCK DIAGRAM-1 (TUNER: HR)	9
BLOCK DIAGRAM-2 (TUNER: K, G, EZ, EEZ)	10
BLOCK DIAGRAM-3 (MAIN)	11, 12
BLOCK DIAGRAM-4 (CD)	13, 14
WIRING-1 (MAIN: HR)	15, 16
SCHEMATIC DIAGRAM-1 (MAIN: HR)	17~19
SCHEMATIC DIAGRAM-2 (MAIN: K, G, EZ, EEZ)	20~22
WIRING-2 (MAIN: K, G, EZ, EEZ)	23, 24
WIRING-3 (FRONT)	26, 26
SCHEMATIC DIAGRAM-3 (FRONT)	27, 28
WIRING-4 (CD)	29, 30
SCHEMATIC DIAGRAM-4 (CD)	31, 32
LCD DISPLAY	33
IC BLOCK DIAGRAM	34~38
IC DESCRIPTION	39~45
ELECTRICAL ADJUSTMENT	46~49
PRACTICAL SERVICE FIGURE	47
MECHANICAL EXPLODED VIEW 1 / 1	50, 51
MECHANICAL PARTS LIST 1 / 1	52
CD MECHANISM EXPLODED VIEW 1 / 2	53
CD MECHANISM EXPLODED VIEW 2 / 2	54
CD MECHANISM PARTS LIST 1 / 1	55
TAPE MECHANISM EXPLODED VIEW 1 / 2	56
TAPE MECHANISM PARTS LIST 1 / 2	57
TAPE MECHANISM EXPLODED VIEW 2 / 2	58
TAPE MECHANISM PARTS LIST 2 / 2	59
SPEAKER EXPLODED VIEW 1 / 1	60
SPEAKER PARTS LIST 1 / 1	60
REFERENCE NAME LIST	61

SPECIFICATIONS

Tuner

<HR MODEL>	
FM	87.5–108.0 MHz Antenna: FM antenna
SW	3.8–12.5 MHz Antenna: Ferrite bar antenna
MW	531–1,602 kHz Antenna: Ferrite bar antenna

<EEZ, EZ, K, G MODELS>

FM	87.5–108.0 MHz Antenna: FM antenna
MW	531–1,602 kHz Antenna: Ferrite bar antenna
LW	153–288 kHz Antenna: Ferrite bar antenna

Amplifier

Power output	EEZ, EZ, K models 6.5 W + 6.5 W (DIN MUSIC POWER) 5 W + 5 W (10 % T.H.D./4Ω AC) 4 W + 4 W (DIN 1 % Rated power) HR, G models 5 W + 5 W (EIAJ/4Ω AC)
Power requirements	DC 12 V using eight R20 (size D) batteries HR model AC 110-120 V/220-240 V selectable, 50/60 Hz EEZ, EZ, K models AC 230 V G model AC 230–240 V
Power consumption	HR model 30 W EEZ, EZ, K, G models 40 W

CD player

Disc	Compact disc
Scanning method	Non-contact optical scanner (semiconductor laser application)
Laser	Semiconductor laser λ = 780 nm
Rotation speed	Approx. 500–200 rpm/CLV
Error correction	Cross Interleave, Reed Solomon code
Number of channels	2 channels
D/A conversion	1-bit dual

Cassette deck

Track format	4 tracks, 2 channels
Frequency response	Normal tape: 50–12,000 Hz (EIAJ)
Recording system	AC bias
Erasure system	Magnet erase
Motor	DC motor × 1
Heads	Deck 1: Recording/playback head (1) Erasure head (1) Deck 2: Playback head (1)

Common

Dimensions (W × H × D)	266 × 303.7 × 274.6 mm (10 1/2 × 12 × 10 7/8 in.)
Weight	4.15 kg (9.1 lbs) (not including batteries)

Speakers

Cabinet type	2-way bass reflex type
Speakers	120 mm (4 3/4 in.) cone type woofer 27 mm (1 1/8 in.) ceramic type tweeter
Impedance	4 ohms
Allowable max. input	10 W
Dimensions (W × H × D)	200 × 303 × 225.3 mm × 2 (7 7/8 × 12 × 8 7/8 in.)
Weight	1.55 kg (3.2 lbs) × 2

• Design and specifications are subject to change without notice.

■ ACCESSORIES / PACKAGE LIST

DESCRIPTION で判断できない物は “REFERENCE NAME LIST” を参照してください。
If can't understand for Description please kindly refer to “REFERENCE NAME LIST”.

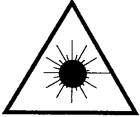
REF. NO.	PART NO.	カンリ NO.	DESCRIPTION
1	S7-738-910-400		INSTRUCTION, BOOK<HR>
1	S7-738-910-200		INSTRUC, BOOK (EE EZ K G) <K, EZ>
1	S7-738-910-300		INSTRUC, BOOK (EE EZ) <EZ>
2	S2-201-100-000		POWER CORD (E) <HR, K, EZ>
2	S2-401-100-010		POWER CORD (K) <K>
2	S2-401-100-030		POWER CORD (G) <G>
3	SR-CDW-600-000		RC, RC-DW600

PROTECTION OF EYES FROM LASER BEAM DURING SERVICING

This set employs laser. Therefore, be sure to follow carefully the instructions below when servicing.

WARNING!

WHEN SERVICING, DO NOT APPROACH THE LASER EXIT WITH THE EYE TOO CLOSELY. IN CASE IT IS NECESSARY TO CONFIRM LASER BEAM EMISSION. BE SURE TO OBSERVE FROM A DISTANCE OF MORE THAN 30cm FROM THE SURFACE OF THE OBJECTIVE LENS ON THE OPTICAL PICK-UP BLOCK.



- Caution: Invisible laser radiation when open and interlocks defeated avoid exposure to beam.
- Advarsel: Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

VAROITUS!

Laiteen Käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saattaa altistaa käyt-täjän turvallisuusluokan 1 ylit-tävälle näkymättömälle lasersäteilylle.

WARNING!

Om apparaten används på annat sätt än vad som specificeras i denna bruksanvisning, kan användaren utsättas för osynlig laserstråling, som överskrider gränsen för laserklass 1.

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

ATTENTION

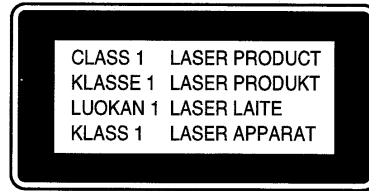
L'utilisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

ADVARSEL!

Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

This Compact Disc player is classified as a CLASS 1 LASER product.

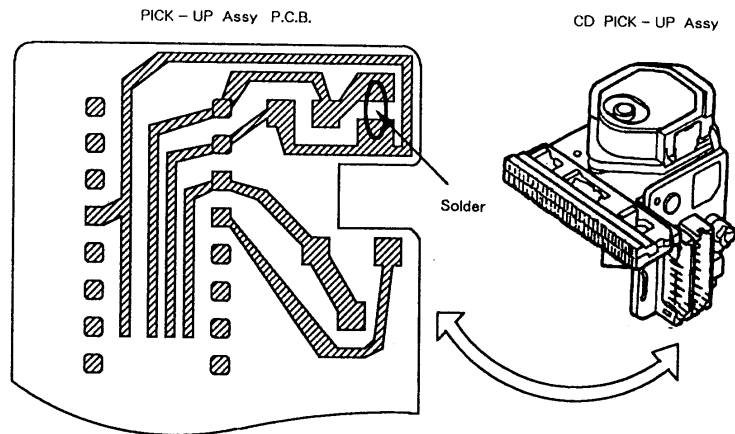
The CLASS 1 LASER PRODUCT label is located on the rear exterior.



Precaution to replace Optical block (KSS-212A)

Body or clothes electrostatic potential could ruin laser diode in the optical block. Be sure ground body and workbench, and use care the clothes do not touch the diode.

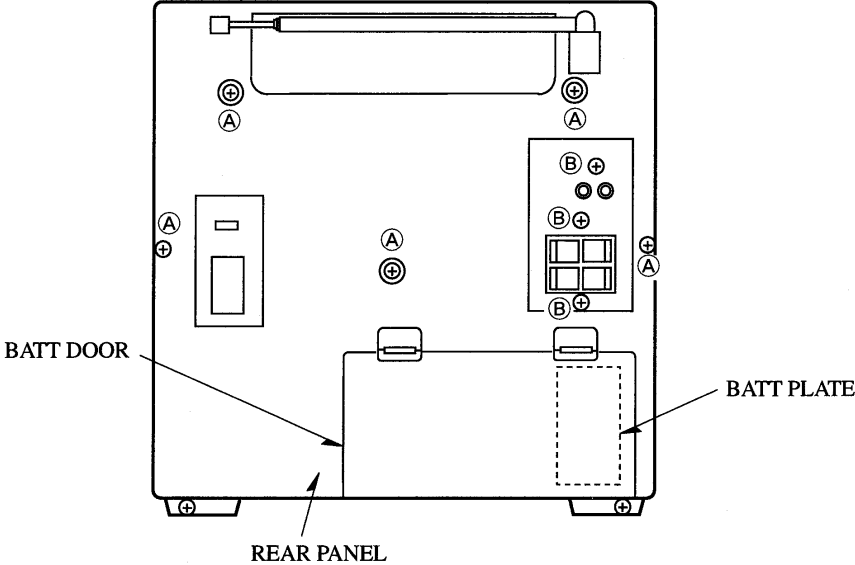
- 1) After the connection, remove solder shown in the right figure.



DISASSEMBLY INSTRUCTIONS

1. Rear Panel Removal

- 1) Remove the ten screws (A×7, B×3).
- 2) Remove the BATT DOOR.
Remove the BATT PLATE and remove the rear panel.



ELECTRICAL MAIN PARTS LIST

DESCRIPTION で判断できない物は“REFERENCE NAME LIST”を参照してください。
 If can't understand for Description please kindly refer to “REFERENCE NAME LIST”.

REF. NO.	PART NO.	カンリ NO.	DESCRIPTION	REF. NO.	PART NO.	カンリ NO.	DESCRIPTION
IC				C132	87-010-545-010		CAP,E 0.22-50V
				C142	87-010-221-810		CAP,E 470-10V
	84-CT4-640-010		IC,LC867116W-5844	C160	87-010-555-010		CAP,E 100-10V
	87-070-134-010		IC,TA2065F	C167	87-010-496-010		CAP,E 3.3-50V
	87-017-680-010		IC,TA8176SN	C194	87-010-555-010		CAP,E 100-10V
	S3-520-920-000		IC,BU2092				
	87-070-101-010		IC,TC9284AF	C195	87-010-564-010		CAP,E 100-16V
				C305	87-010-891-080		CAP,E 47-10V
	87-070-083-010		IC,GP1U281X	C306	87-010-891-080		CAP,E 47-10V
	87-017-801-080		IC,TA2058F	C307	87-010-444-080		CAP,E 22-50V
	87-020-903-010		IC,NJM7805FA	C308	87-010-415-010		CAP,E 10-50V
	87-070-231-040		IC,TA2063F				
	87-001-982-010		IC,TA7291S	C309	87-010-545-010		CAP,E 0.22-50V
				C310	87-010-545-010		CAP,E 0.22-50V
	87-002-268-010		IC,LA1851N	C311	87-010-762-010		CAP,E 220-10V
	87-001-376-010		IC,LC7218	C312	87-010-891-080		CAP,E 47-10V
	87-017-681-010		IC,TA8126SN	C315	87-010-401-010		CAP,E 1-50V
	S4-034-160-000		IC,BA3416BL				
	87-027-895-010		IC,BA15218	C316	87-010-401-010		CAP,E 1-50V
				C317	87-010-444-080		CAP,E 22-50V
	87-070-417-010		IC,NJM4558DD	C318	87-010-444-080		CAP,E 22-50V
	87-002-901-080		IC,BU4094B	C319	87-010-415-010		CAP,E 10-50V
	87-017-804-010		IC,BU4052BC	C320	87-010-415-010		CAP,E 10-50V
	87-017-947-010		IC,M62412P				
	87-017-564-010		IC,LC7533	C327	87-010-421-080		CAP,E 4.7-50V
				C331	87-010-891-080		CAP,E 47-10V
▲	87-002-848-010		IC,TA8229K	C501	87-010-401-010		CAP,E 1-50V
	87-001-132-080		IC,TCF-N38	C502	87-010-401-010		CAP,E 1-50V
	87-070-416-010		IC,NJU7201L55	C503	87-010-401-010		CAP,E 1-50V
TRANSISTOR				C504	87-010-401-010		CAP,E 1-50V
	89-319-232-010		TR,2SC1923	C505	87-010-555-010		CAP,E 100-10V
	87-026-291-010		TR,DTC124XS	C531	87-010-401-010		CAP,E 1-50V
	89-112-964-010		TR,2SA1296GR	C532	87-010-401-010		CAP,E 1-50V
	87-026-447-080		TR,2SC1740S	C539	87-010-545-010		CAP,E 0.22-50V
	89-110-155-010		TR,2SA1015-GR				
				C540	87-010-545-010		CAP,E 0.22-50V
	87-026-464-010		TR,DTC114TS	C541	87-016-130-080		CAP,E 47-25V
	87-026-486-080		TR,DTA144TS	C571	87-010-401-010		CAP,E 1-50V
	87-026-486-010		TR,DTA144TS	C572	87-010-401-010		CAP,E 1-50V
	87-026-286-010		TR,DTA143ES	C573	87-010-401-010		CAP,E 1-50V
	89-501-615-080		TR,2SK161				
				C574	87-010-401-010		CAP,E 1-50V
	87-026-287-010		TR,DTC143ES	C579	87-010-891-080		CAP,E 47-10V
	89-502-464-060		TR,2SK246Y	C580	87-010-401-010		CAP,E 1-50V
	89-318-154-810		TR,2SC1815-BL	C581	87-010-544-010		CAP,E 0.1-50V
	87-026-572-080		TR,DTA114TS	C582	87-010-371-040		CAP,E 470-6.3V
	89-320-011-210		TR,2SC2001K				
				C583	87-010-555-010		CAP,E 100-10V
	89-322-405-680		TR,2SC2240GR	C591	87-010-401-010		CAP,E 1-50V
	89-414-680-080		TR,2SD1468S	C592	87-010-401-010		CAP,E 1-50V
	89-109-330-080		TR,2SA933S	C607	87-010-444-080		CAP,E 22-50V
	SQ-2SB-137-0E0		TR,2SB1370E	C608	87-010-444-080		CAP,E 22-50V
	89-113-187-080		TR,2SA1318T/U				
				C609	87-016-130-080		CAP,E 47-25V
	89-109-521-210		TR,2SA952/K/L	C613	87-010-555-010		CAP,E 100-10V
DIODE				C614	87-010-555-010		CAP,E 100-10V
	87-020-465-010		DIODE,1SS133	C615	87-010-376-010		CAP,E 2200-10V
	S0-041-480-000		DIODE,1N4148	C616	87-010-376-010		CAP,E 2200-10V
	82-135-799-010		DIODE,1N4148	C621	87-010-045-810		CAP,E 100-25V
	87-017-625-090		DIODE,1N53928	C622	87-010-387-080		CAP,E 470-25V
	S0-100-911-210		ZENER,M1ZJ9.1C	C623	87-010-546-080		CAP,E 0.33-50V
				C624	87-010-546-080		CAP,E 0.33-50V
	S0-100-611-200		ZENER,6.1V 1/2U	C625	87-010-415-010		CAP,E 10-50V
	S3-MTZ-J15-A10		ZENER,MTZJ15A				
				C641	87-010-908-080		CAP,E 220-10V
MAIN C.B				C720	87-010-415-010		CAP,E 10-50V
	C64	87-010-544-010	CAP,E 0.1-50V	C721	87-010-698-010		CAP,E 4700-25V
	C103	87-010-762-010	CAP,E 220-10V	C722	87-010-385-010		CAP,E 220-25V
	C104	87-010-402-010	CAP,E 2.2-50V	C723	87-010-762-010		CAP,E 220-10V
	C108	87-010-401-010	CAP,E 1-50V				
	C109	87-010-401-010	CAP,E 1-50V	C726	87-010-421-080		CAP,E 4.7-50V
				C727	87-010-401-010		CAP,E 1-50V
	C110	87-010-401-010	CAP,E 1-50V	C728	87-010-221-810		CAP,E 470-10V
	C111	87-010-546-080	CAP,E 0.33-50V	C729	87-010-555-010		CAP,E 100-10V
	C113	87-010-421-080	CAP,E 4.7-50V	C730	87-010-762-010		CAP,E 220-10V
	C116	87-010-498-010	CAP,E 10-16V				
	C131	87-010-545-010	CAP,E 0.22-50V	C741	87-010-403-010		CAP,E 3.3-50V
				C831	87-010-415-010		CAP,E 10-50V
				C832	87-010-401-010		CAP,E 1-50V
				CF1	S0-001-070-000		CER,FIL SFE-10.7MA5-M
				CF101	S0-001-070-000		CER,FIL SFE-10.7MA5-M

REF. NO.	PART NO.	カンリ NO.	DESCRIPTION	REF. NO.	PART NO.	カンリ NO.	DESCRIPTION
IFT101	S0-029-200-070		IFT, 292MCAS-A6 7HM	D30	87-017-719-010		LED, 3MM (GRN)
J601	S0-020-003-500		JACK, HP 3.5MM	D33	87-017-719-010		LED, 3MM (GRN)
J602	S0-003-240-000		TERMINAL PUSH 4P	D34	87-017-719-010		LED, 3MM (GRN)
J801	S0-002-420-000		JACK, RCA	D35	87-017-719-010		LED, 3MM (GRN)
L1	S1-500-200-050		COIL, FM 15T	D36	87-017-719-010		LED, 3MM (GRN)
L2	S0-550-550-070		COIL, FM 5.5T	J401	S0-515-460-000		JACK, MIC 3.5MM
L3	S0-450-550-070		COIL, FM	L1	S0-100-160-000		INDUCTOR 10UH
L4	S0-102-270-000		INDUCTOR, 2.2UH	L10	87-005-647-080		COIL, 10UH
L5	S0-450-550-070		COIL, FM	L11	87-005-647-080		COIL, 10UH
L51	S0-091-310-070		IFT, PA7BRS-A9131CCG<HR>	L401	S0-100-260-000		COIL, 1UH
L51	S0-091-320-070		IFT, PA7BRS-A9132CCG<EXCEPT HR>	LCD1	S1-120-040-350		LCD, DISPLAY
L52	S0-091-330-070		IFT, PA119ANS-A9133<HR>	SW1	SK-HV9-010-000		SW, TACT
L52	S0-091-310-070		IFT, PA7BRS-A9131CCG<EXCEPT HR>	SW2	SK-HV9-010-000		SW, TACT
L61	S0-703-460-000		COIL ANT ASSY<HR>	SW3	SK-HV9-010-000		SW, TACT
L61	S0-703-940-000		COIL ANT ASSY<EZ, EEZ>	SW4	SK-HV9-010-000		SW, TACT
L61	S0-611-441-200		MW ANT COIL<K, G>	SW5	SK-HV9-010-000		SW, TACT
L62	S2-500-041-200		LW ANT COIL<K, G>	SW5	SK-HV9-010-000		SW, TACT
L151	S0-104-770-000		INDUCTOR, 4.7UH/CEC-4R7K	SW7	SK-HV9-010-000		SW, TACT
L152	S0-104-760-000		INDUCTOR, 47UH	SW8	SK-HV9-010-000		SW, TACT
L191	S0-091-340-070		IFT, A7BRCS-A9134	SW9	SK-HV9-010-000		SW, TACT
L192	S0-100-140-000		INDUCTOR, 100UH	SW10	SK-HV9-010-000		SW, TACT
L301	S0-091-300-070		IFT, 12GANS-A9130YWD	SW11	SK-HV9-010-000		SW, TACT
MFT101	S0-006-600-070		IFT, CER FIL	SW12	SK-HV9-010-000		SW, TACT
SFR101	S2-030-650-000		SFR, 20K	SW13	SK-HV9-010-000		SW, TACT
SFR102	S1-030-650-010		SFR, 10K	SW14	SK-HV9-010-000		SW, TACT
SFR751	S2-020-650-000		SFR, 2K	SW15	SK-HV9-010-000		SW, TACT
SW301	S0-062-200-000		SW, REC 6P2T	SW16	SK-HV9-010-000		SW, TACT
TC51	S2-001-690-000		TRIMMER TZ03R300FR169	SW17	SK-HV9-010-000		SW, TACT
TC52	S2-001-690-000		TRIMMER TZ03R300FR169<HR>	SW18	SK-HV9-010-000		SW, TACT
TC52	S2-101-690-000		TRIMMER TZ03T110FR169<EXCEPT HR>	SW19	SK-HV9-010-000		SW, TACT
VC1	87-002-730-010		VARI, CAP SVC203	SW20	SK-HV9-010-000		SW, TACT
VC2	87-002-730-010		VARI, CAP SVC203	SW21	SK-HV9-010-000		SW, TACT
VC3	87-002-730-010		VARI, CAP SVC203	VR401	S1-030-120-010		RES, VARIABLE 10KA
VC51	81-754-634-010		DIODE, VARI CAP KV1260TS2	X1	S3-327-680-000		X' TAL, 32.768KHZ
VC52	81-754-634-010		DIODE, VARI CAP KV1260TS2	X2	87-030-214-080		RESONATOR KBR-6
X101	87-030-218-010		CER, RESO KBR457HS15				
X151	S6-072-000-000		X' TAL, 7.2MHZ	CD C.B			
FRONT C.B				C4	87-010-380-010		CAP, E 47-16V
C7	87-010-927-040		CAP, E 0.47-50V	C5	87-010-380-010		CAP, E 47-16V
C8	87-010-401-010		CAP, E 1-50V	C6	87-010-555-010		CAP, E 100-10V
C10	87-010-420-080		CAP, E 10-6.3V	C9	87-010-415-010		CAP, E 10-50V
C12	87-010-550-070		CAP, E 100-6.3V	C10	87-010-380-010		CAP, E 47-16V
C18	87-010-908-080		CAP, E 220-10V	C13	87-010-415-010		CAP, E 10-50V
C98	87-010-555-010		CAP, E 100-10V	C14	87-010-444-080		CAP, E 22-50V
C404	87-010-401-010		CAP, E 1-50V	C22	87-010-965-080		CAP, E 33-16V
C405	87-010-545-010		CAP, E 0.22-50V	C26	87-010-555-010		CAP, E 100-10V
C407	87-010-401-010		CAP, E 1-50V	C35	87-010-555-010		CAP, E 100-10V
C408	87-010-553-040		CAP, E 47-16V	C38	87-010-421-080		CAP, E 4.7-50V
C409	87-010-555-010		CAP, E 100-10V	C44	87-010-762-010		CAP, E 220-10V
C410	87-010-412-010		CAP, E 10-25V	C48	87-010-380-010		CAP, E 47-16V
C413	87-010-412-010		CAP, E 10-25V	C50	87-010-380-010		CAP, E 47-16V
D4	87-002-285-010		LED, 5-5 (RED)	C70	87-010-045-810		CAP, E 100-25V
D5	87-002-355-010		LED, 3.1MM (RED)	C85	87-010-401-010		CAP, E 1-50V
D6	87-002-355-010		LED, 3.1MM (RED)	C100	87-010-380-010		CAP, E 47-16V
D7	87-002-355-010		LED, 3.1MM (RED)	C101	87-010-402-010		CAP, E 2.2-50V
D8	87-002-355-010		LED, 3.1MM (RED)	C102	87-010-402-010		CAP, E 2.2-50V
D9	87-002-285-010		LED, 5-5 (RED)	C124	87-010-555-010		CAP, E 100-10V
D10	87-002-285-010		LED, 5-5 (RED)	C126	87-010-221-810		CAP, E 470-10V
D11	87-002-285-010		LED, 5-5 (RED)	C132	87-010-221-810		CAP, E 470-10V
D21	87-017-719-010		LED, 3MM (GRN)	FC1	S1-102-201-300		CABLE FCC
D22	87-017-719-010		LED, 3MM (GRN)	L1	87-005-647-080		COIL, 10UH
D23	87-017-719-010		LED, 3MM (GRN)	SFR1	S1-030-850-000		SFR, 10K
D24	87-017-719-010		LED, 3MM (GRN)	SFR2	S1-040-851-020		SFR, 100K
D25	87-017-719-010		LED, 3MM (GRN)	SFR3	S1-040-851-020		SFR, 100K
D26	87-017-719-010		LED, 3MM (GRN)	SFR4	S1-040-851-020		SFR, 100K
D27	87-017-719-010		LED, 3MM (GRN)	X1	S0-016-930-000		CER, RESO 16.93MHZ
D28	87-017-719-010		LED, 3MM (GRN)				
D29	87-017-719-010		LED, 3MM (GRN)	POWER C.B			
				△	S7-900-000-000		HOLDER, FUSE
				C743	87-010-421-080		CAP, E 4.7-50V
				△F701	S0-315-200-030		FUSE, 3.15A/250V

REF. NO.	PART NO.	カンリ NO.	DESCRIPTION
----------	----------	------------	-------------

DRIVE C.B

M1	87-045-356-019		MOT, RF-310TA 30
M2	87-045-358-019		MOT, RF-310TA 43
SW1	87-036-340-019		SW, LEAF LSA-1121

MOTOR CD C.B

M1	87-045-305-019		MOTOR, RF-500TB
SW1	87-036-110-019		SW, PUSH SPPB 62
SW2	87-036-110-019		SW, PUSH SPPB 62

TRANSISTOR ILLUSTRATION



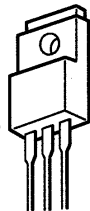
ECB

2SA952
2SA1015
2SA1296
2SA1318
2SC1815
2SC1923
2SC2001
2SC2240



ECB

2SA933S
2SC1740S
2SD1468S
DTA114TS
DTA143ES
DTA144TS
DTC114TS
DTC124XS
DTC143ES



BCE

2SB1370



DSG

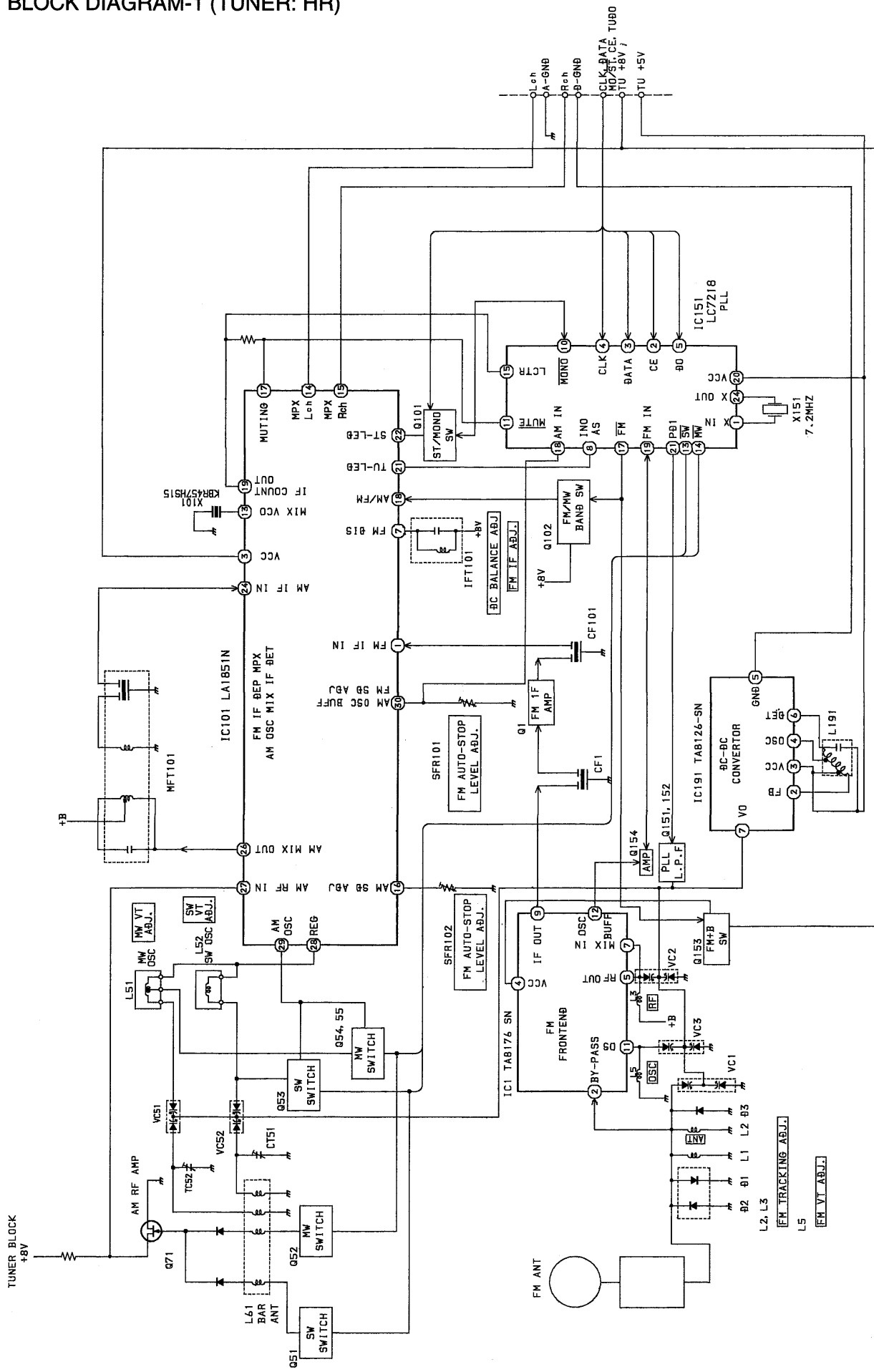
2SK161



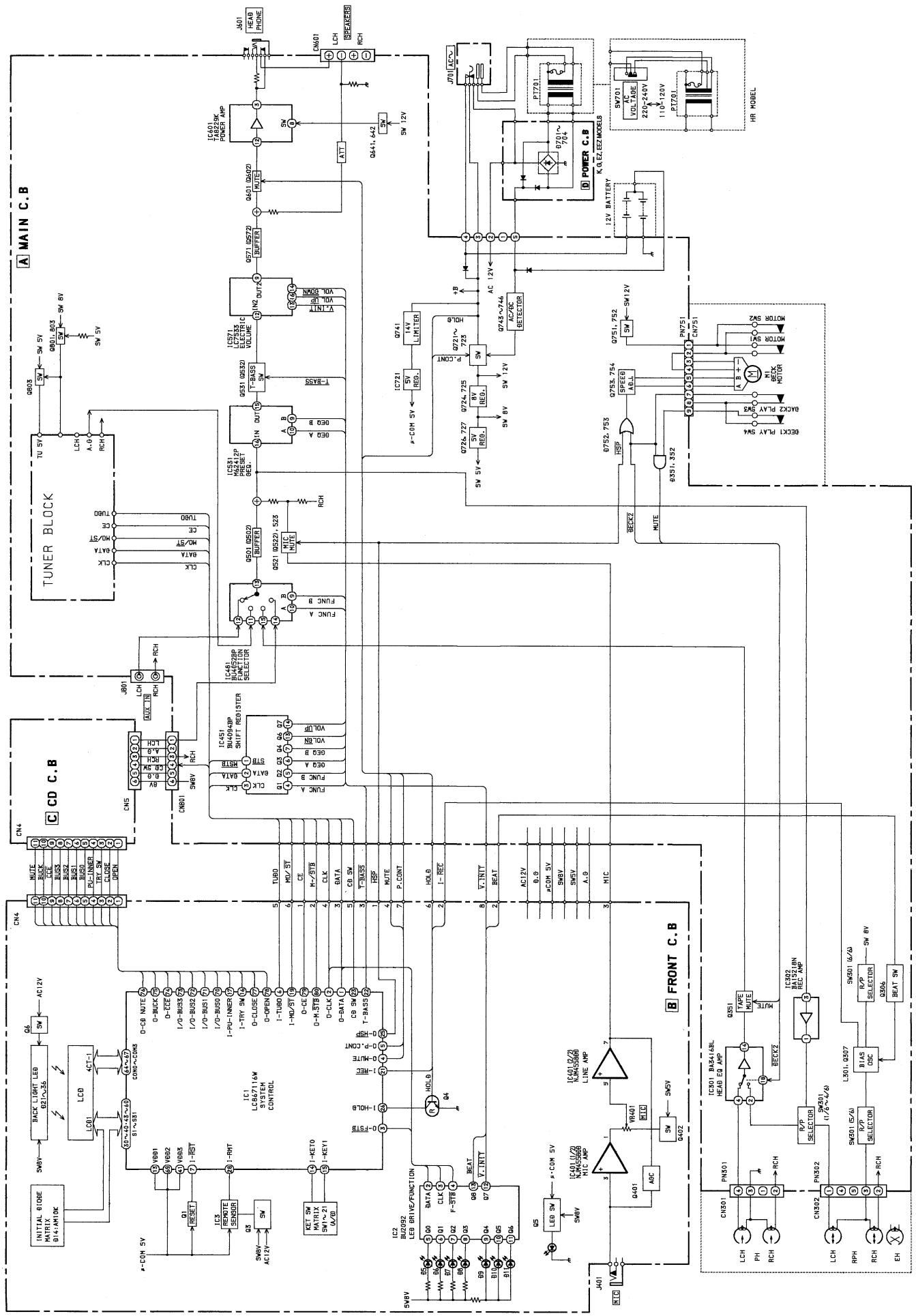
SGD

2SK246

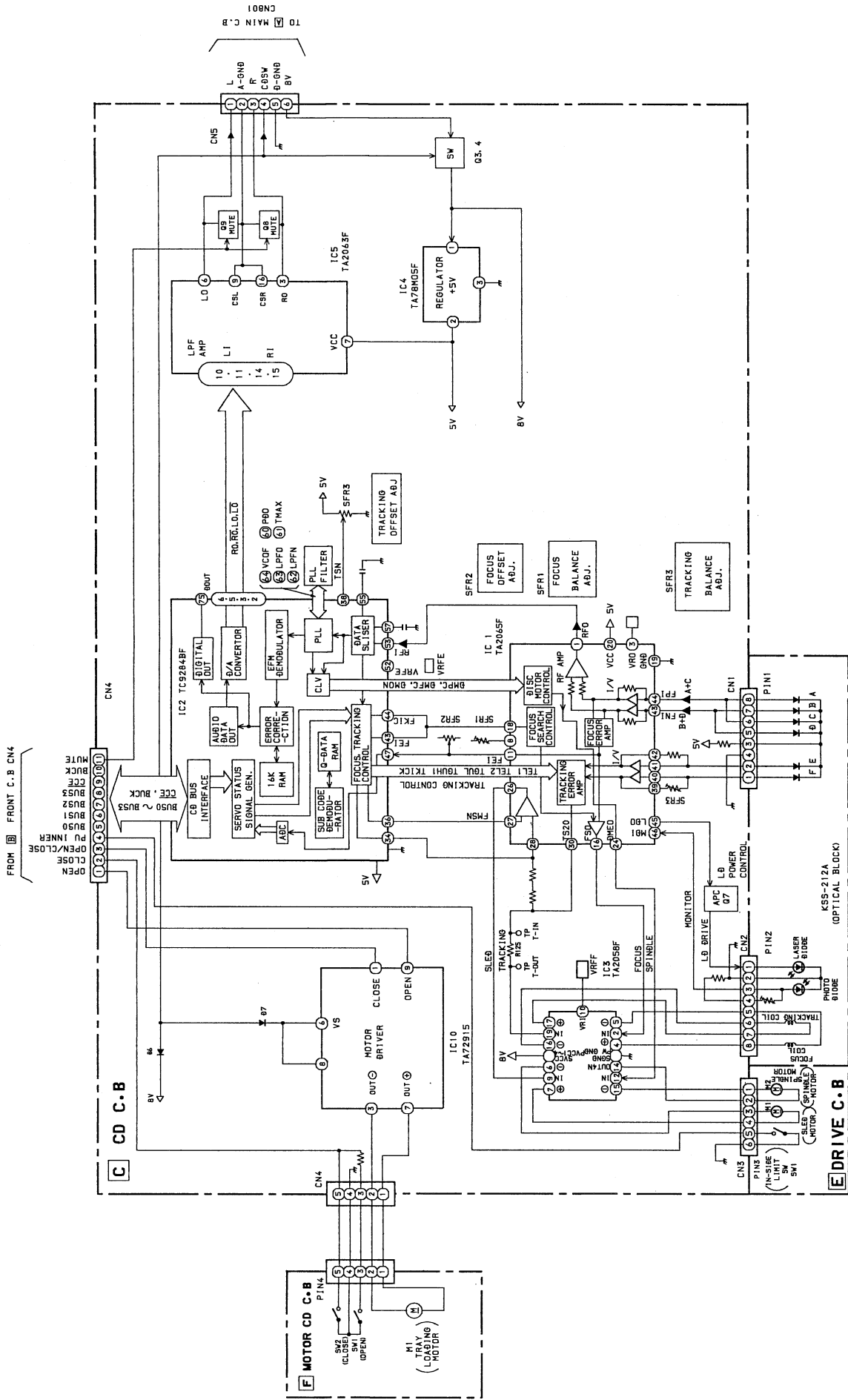
BLOCK DIAGRAM-1 (TUNER: HR)



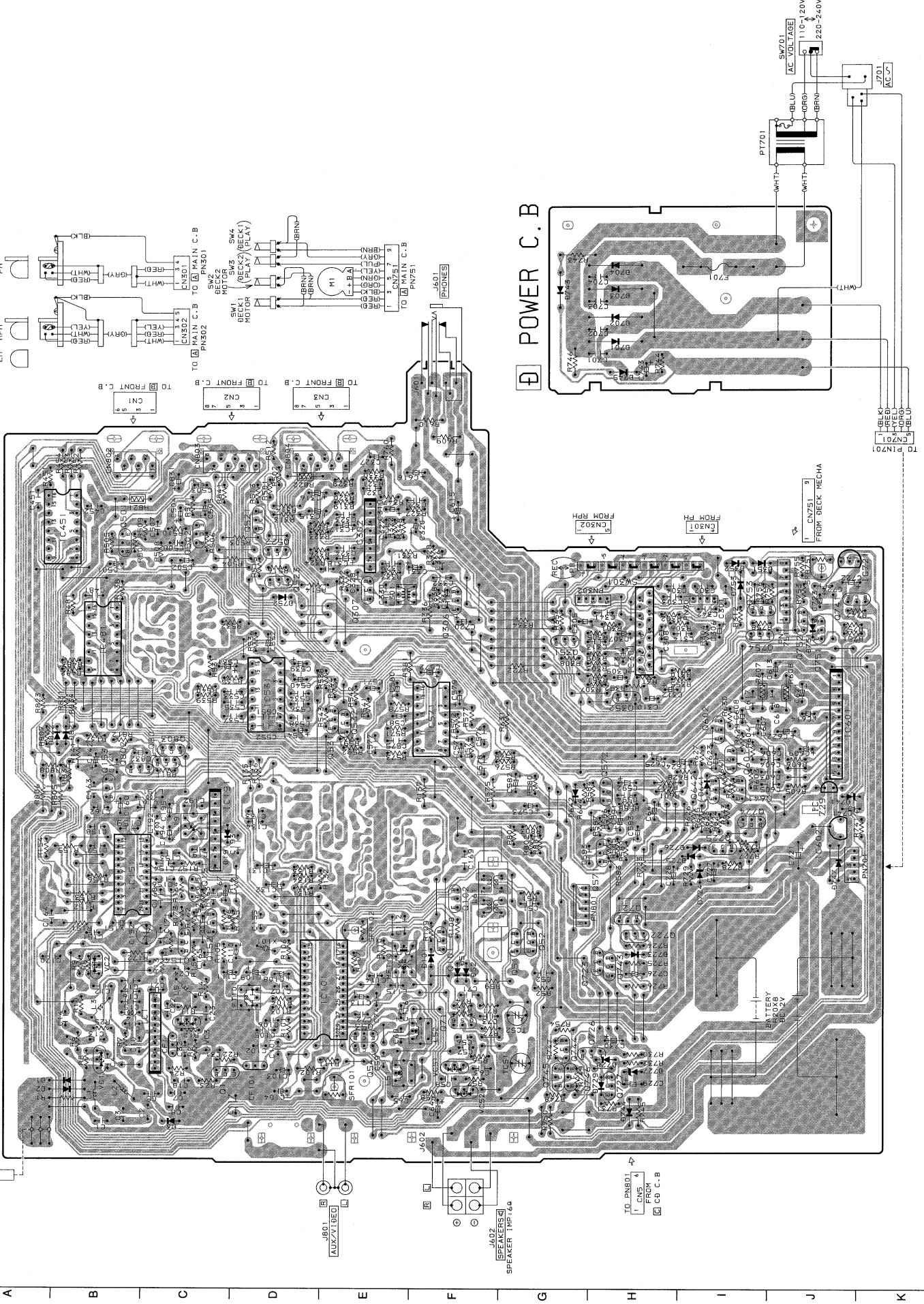
BLOCK DIAGRAM-3 (MAIN)



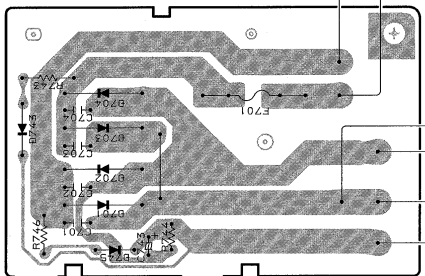
BLOCK DIAGRAM-4 (CD)



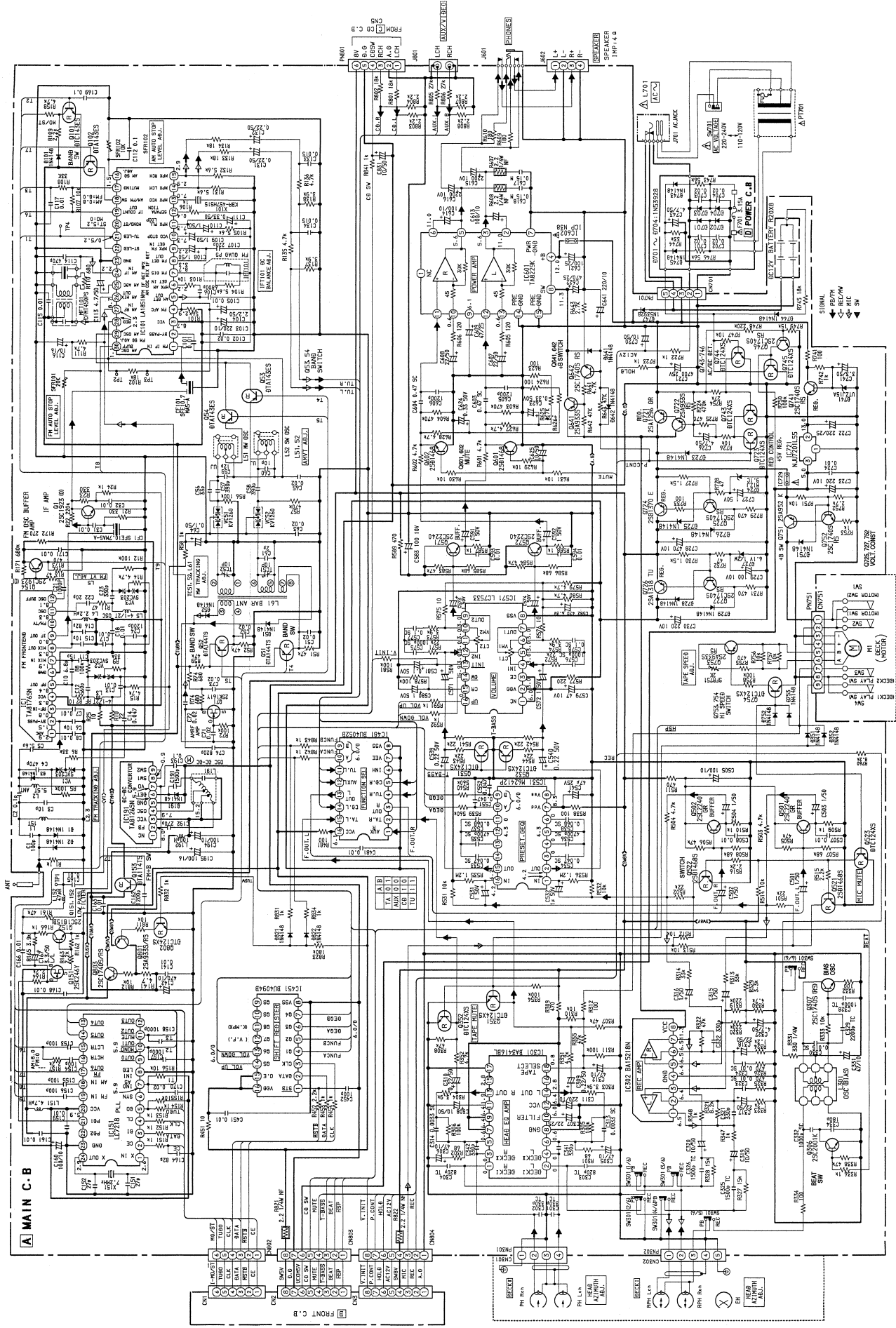
A MAIN C.B.



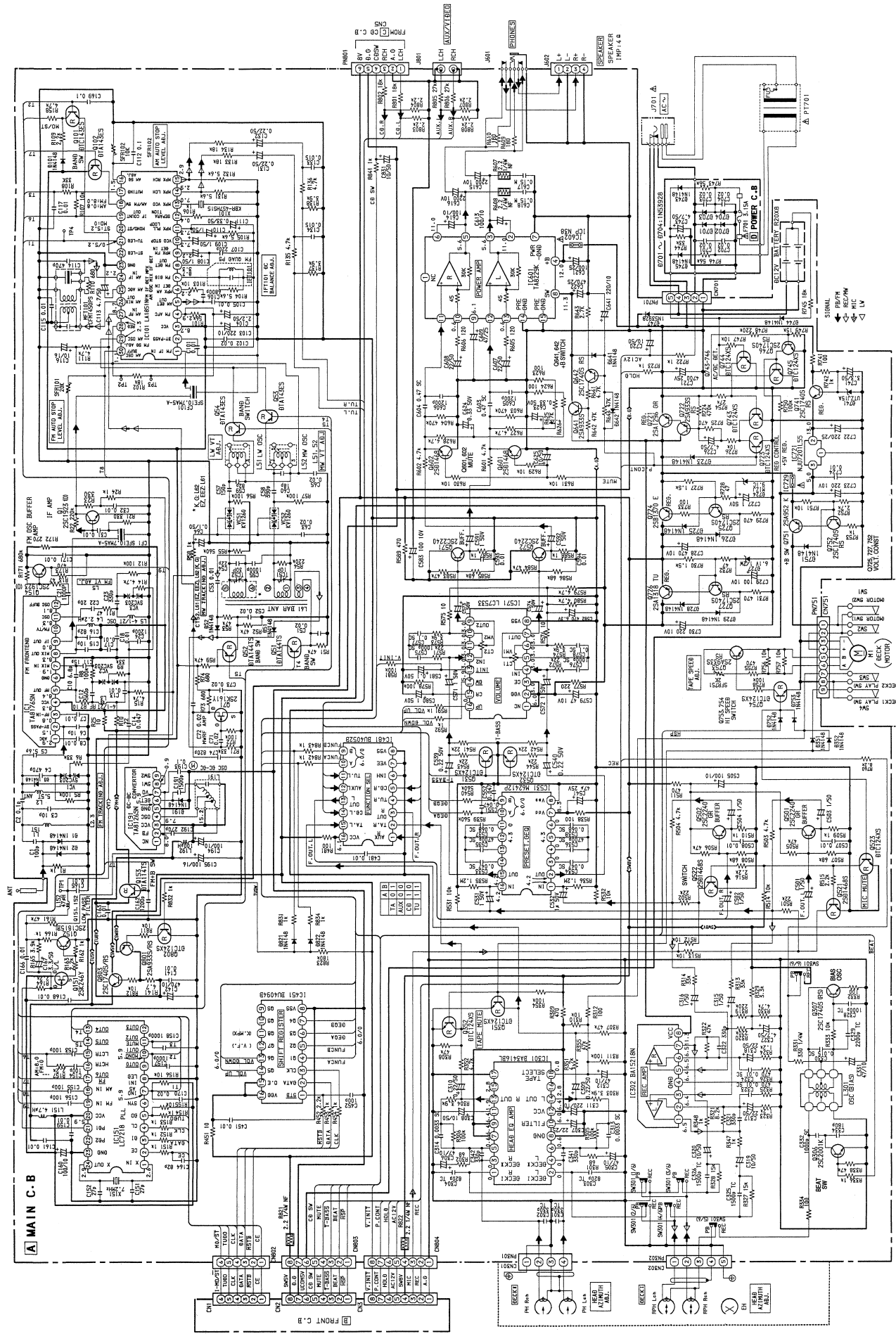
POWER C.B.



SCHEMATIC DIAGRAM-1 (MAIN: HR)

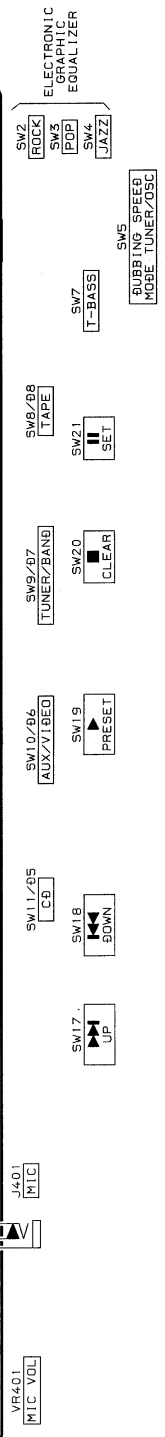
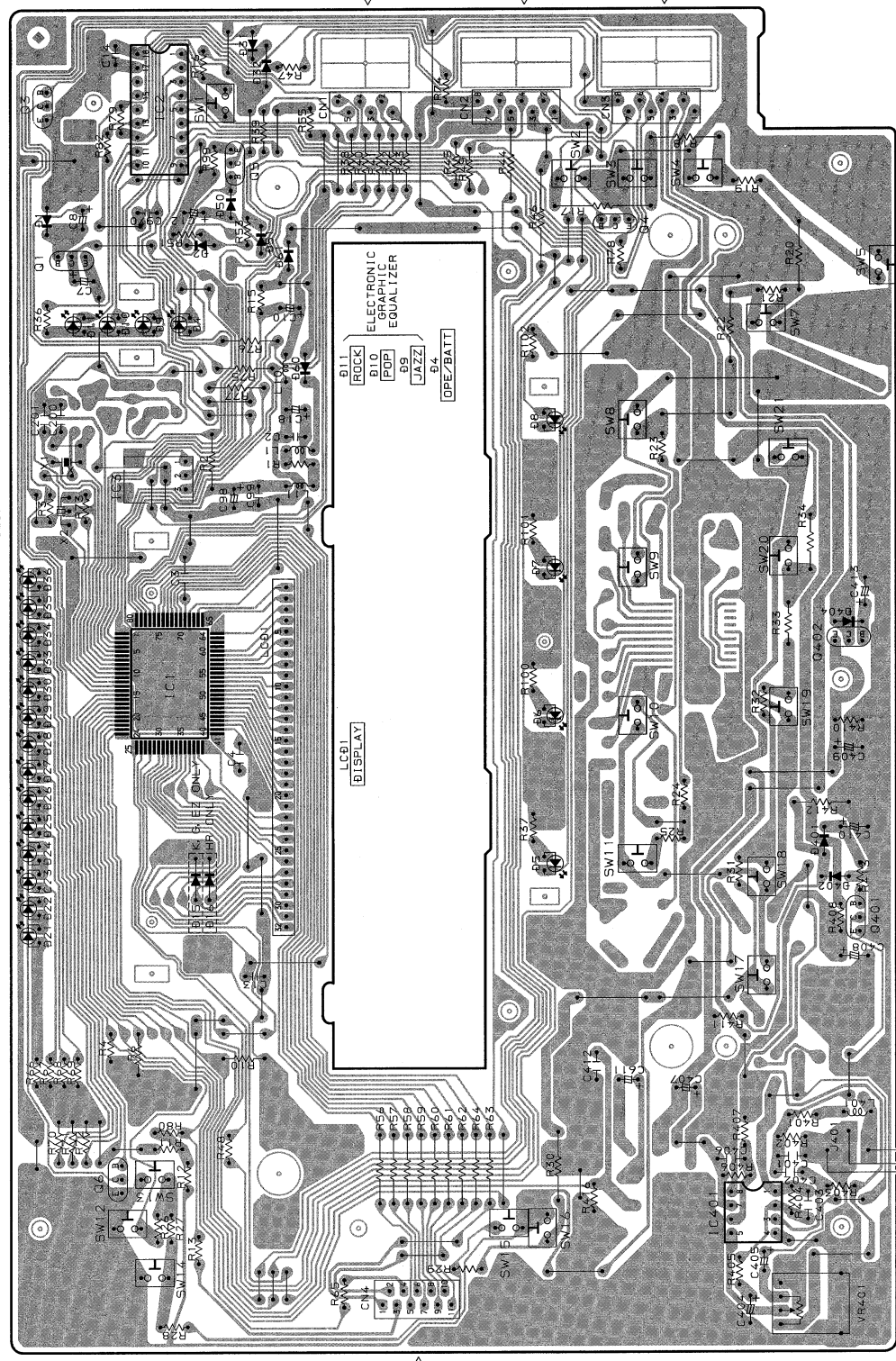


SCHEMATIC DIAGRAM-2 (MAIN: K. G. EZ, EEZ)

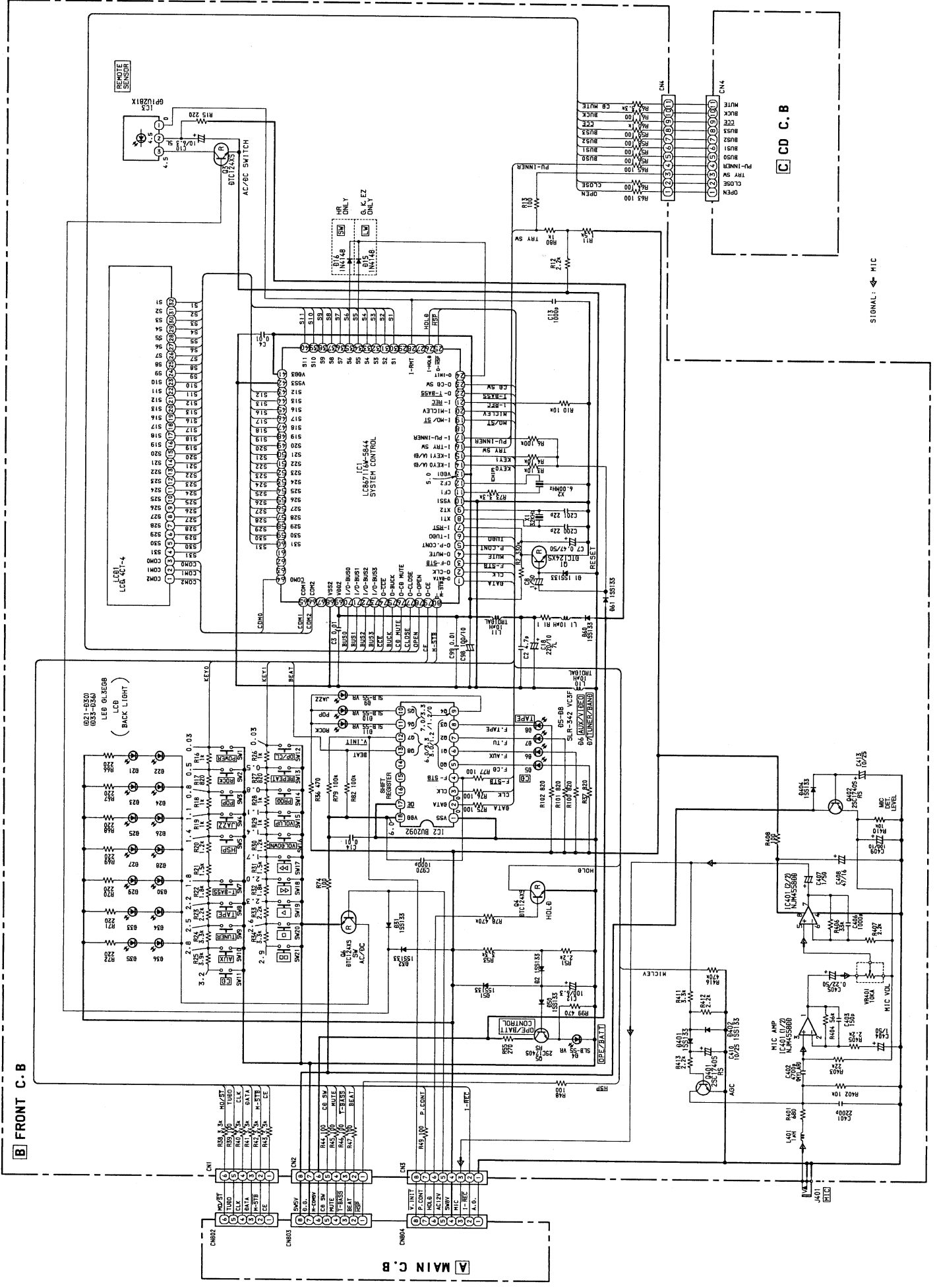


1 2 3 4 5 6 7 8 9 10 11 12 13 14

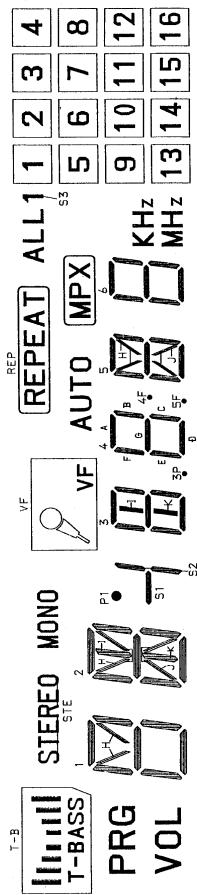
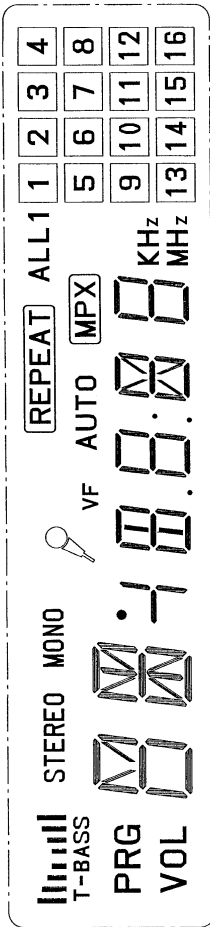
B FRONT C.B



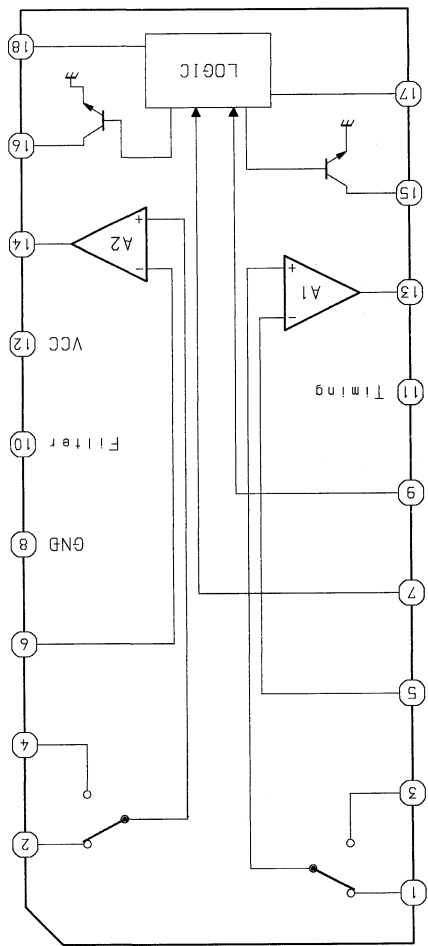
SCHEMATIC DIAGRAM-3 (FRONT)



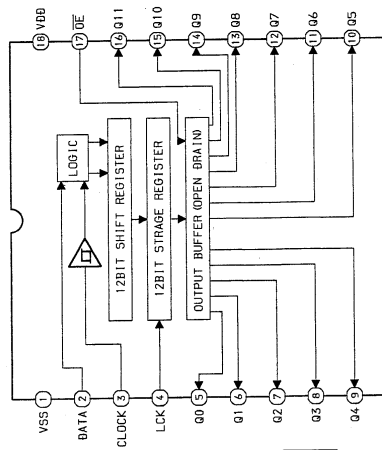
LCD DISPLAY



IC BLOCK DIAGRAM
IC, BA3416BL



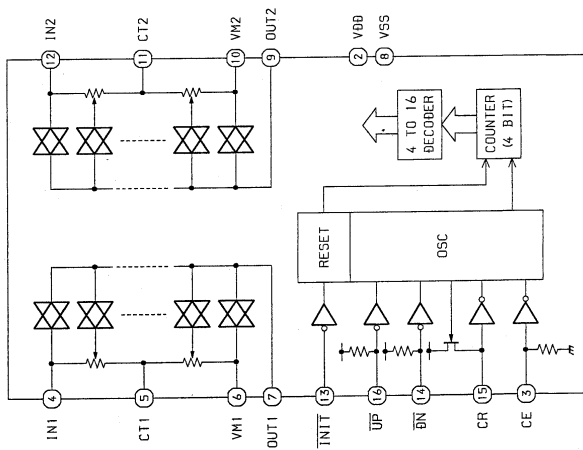
IC, BU2092



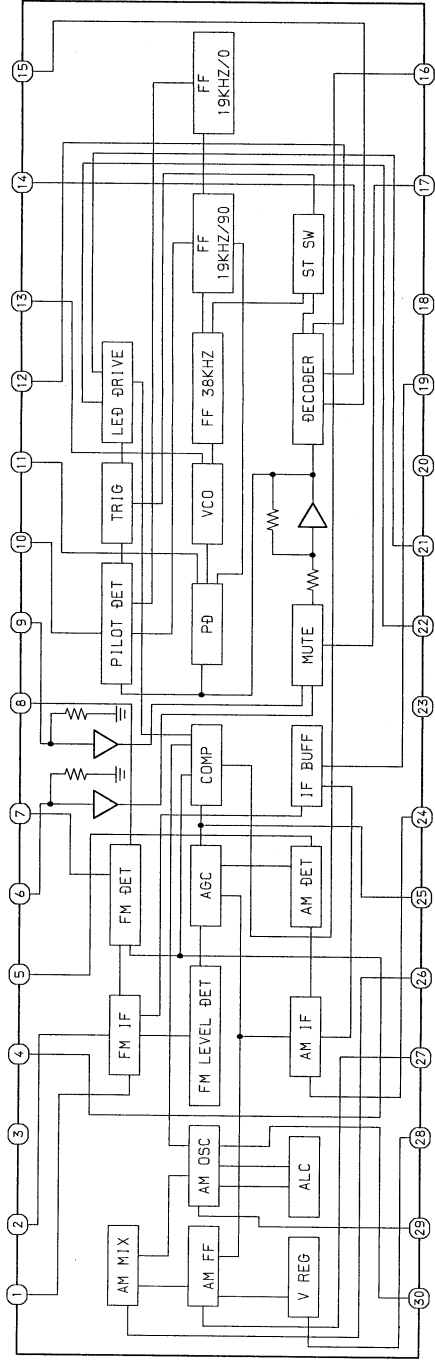
NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
COM1	COM1	COM2	COM3	1A	1B	1C	1D	1E	1F	1G	1H	1I	1J	1K	1L
COM2	COM2	COM3	VOL	PRG	1F	1G	1H	1I	1J	1K	1L	1M	1N	1O	1P
COM3	COM3	---	---	---	---	---	---	---	---	---	---	---	---	---	---

16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
3B	4F	4B	2A	AUTO	5A	5B	6F	6B	6A	5	6	7	8	4	MPX	ALL
3C	4G	4C	4P	5F	5HJ	5C	6G	6C	KHZ	9	10	11	12	3	---	---
3P	4E	4D	5P	5E	5G	5D	MHZ	13	MHZ	13	14	15	16	2	1	S3

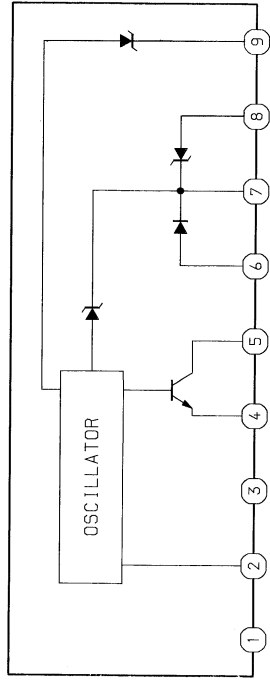
IC, LC7533



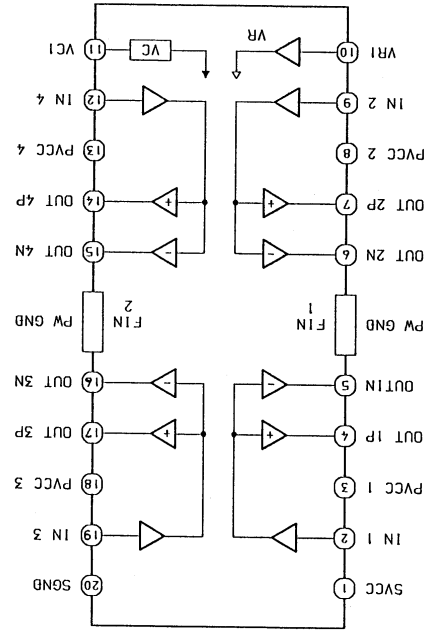
IC, LA1851N



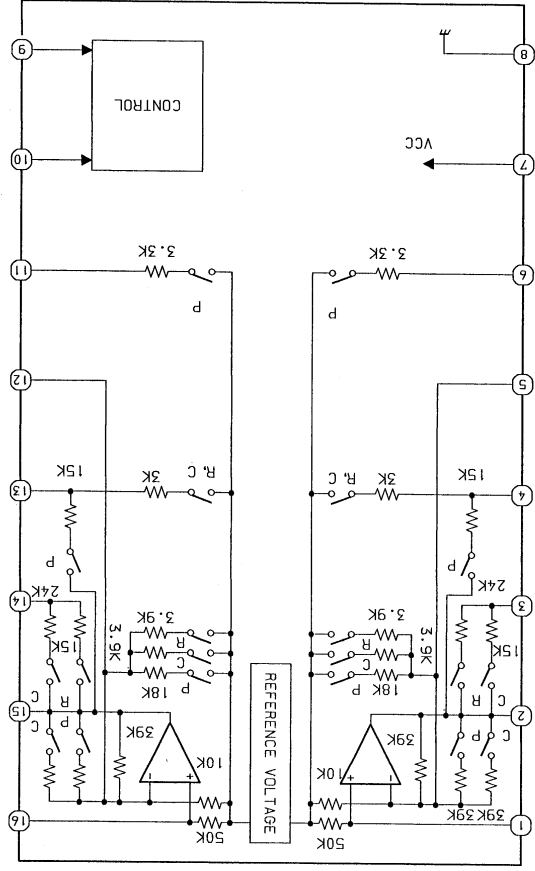
IC, TA8126S



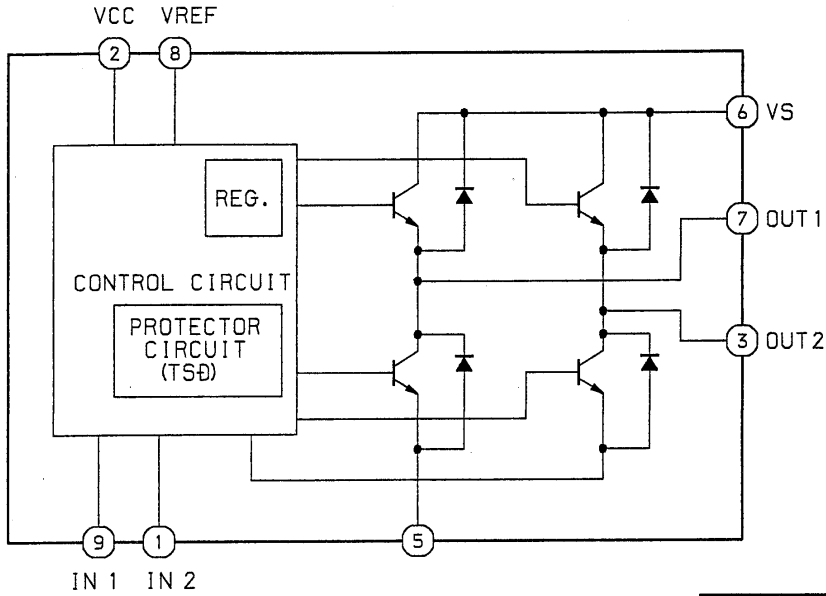
IC, TA2058F



IC, M62412P



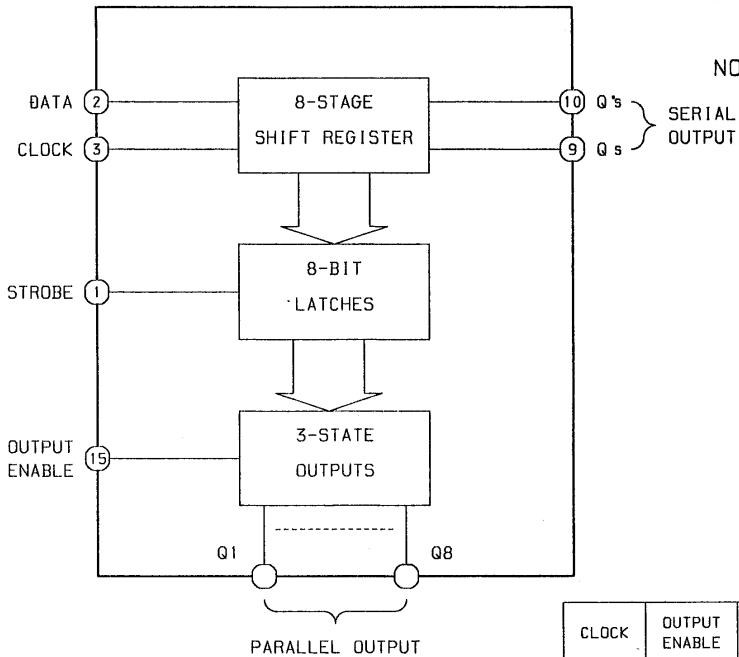
IC, TA7291



TRUTH TABLE

INPUT		OUTPUT		MODE
IN1	IN2	OUT1	OUT2	
0	0	∞	∞	STOP
1	0	H	L	CW
0	1	L	H	CCW
1	1	L	L	BRAKE

IC, BU4094B



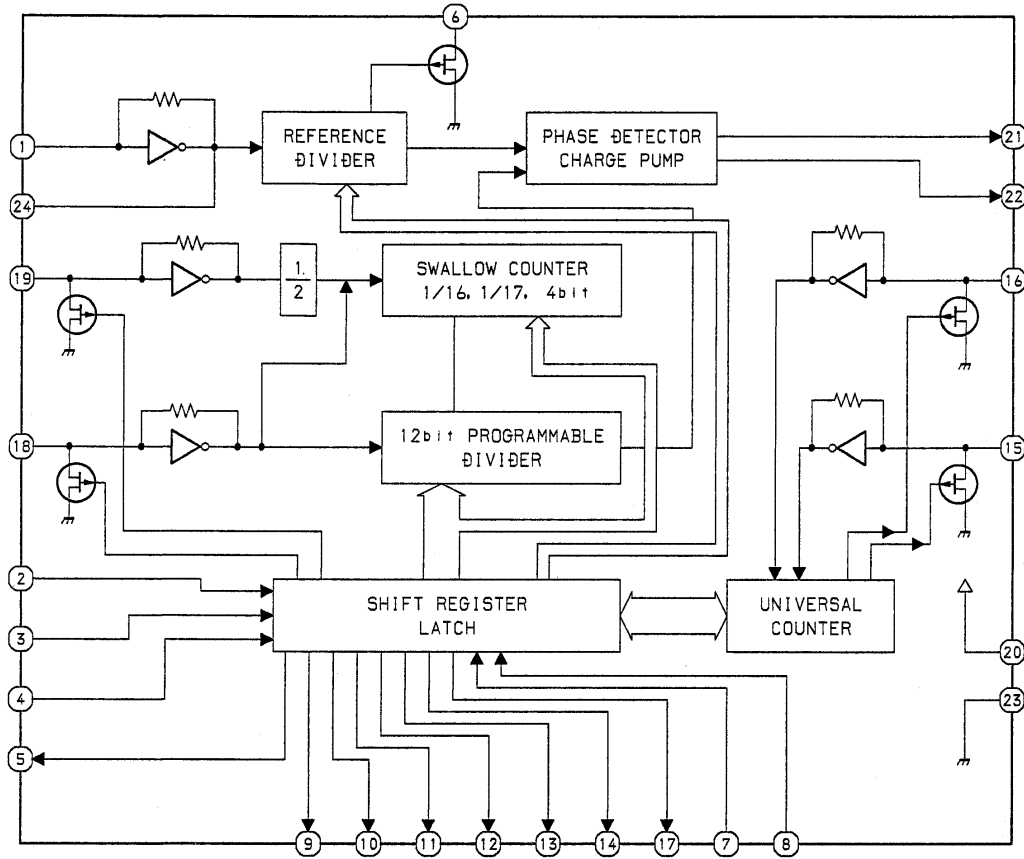
∞ : HI IMPEDANCE
NOTE : INPUT "H" ACTIVE

TRUTH TABLE

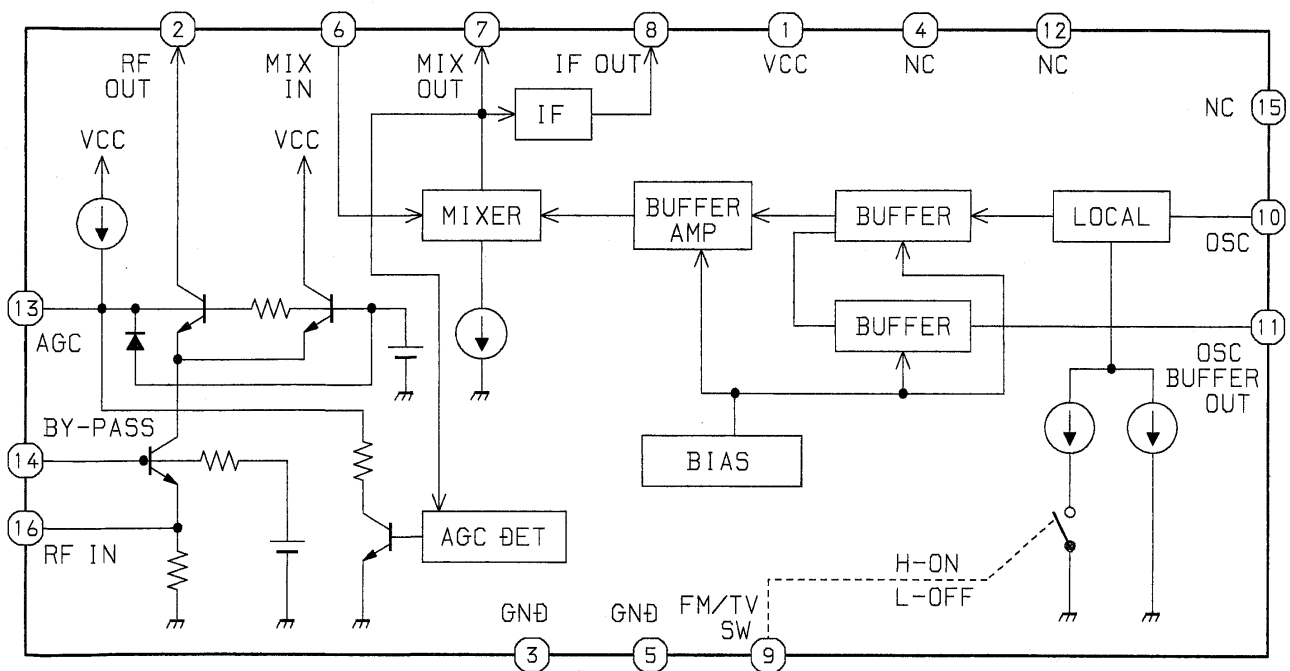
CLOCK	OUTPUT ENABLE	STROBE	DATA	PARALLEL OUTPUTS		SERIAL OUTPUTS	
				Q1	Qn	Qs	Q's
\uparrow	L	X	X	Z	Z	Q7	NO Chg.
\downarrow	L	X	X	Z	Z	No Chg.	Qs
\uparrow	H	L	X	No Chg.	No Chg.	Q7	No Chg.
\uparrow	H	H	L	L	Qn-1	Q7	No Chg.
\uparrow	H	H	H	H	Qn-1	Q7	No Chg.
\downarrow	H	X	X	No Chg.	No Chg.	No Chg.	Qs

Z=High Impedance
X=Don't Care

IC, LC7218



IC, TA8176SN



IC DESCRIPTION

IC, LC867116W-5844

Pin No.	Pin name	I/O	Description
1	O-DATA	O	PLL, shift register data output.
2	O-CLK	O	PLL, shift register clock output.
3	$\overline{\text{O-FSTB}}$	O	Shift register data latch strobe output.
4	O-MUTE	O	Main mute output.
5	O-PCONT	O	Machine power supply control output.
6	I-TUDO	I	PLL IC tuner data input.
7	$\overline{\text{I-RST}}$	I	Microprocessor reset..
8	XT1	I	Connected to 32.768 kHz crystal.
9	XT2	O	Connected to 32.768 kHz crystal.
10	VSS1	—	GND.
11	CF1	I	Connected to 6 MHz ceramic lock.
12	CF2	O	Connected to 6 MHz ceramic lock.
13	VDD1	—	Microprocessor power supply (5 V).
14	I-KEY0	I	Key A/D input.
15	I-KEY1	I	Key A/D input.
16	I-TRY SW	I	CD tray open/close switch A/D input.
17	I-PU-INNER	I	CD inside limit switch input.
18	—	I	N.C.
19	I-MO/ST	I	Tuner · stereo detection.
20	I-MICLEV	I	Microphone level detection.
21	I-REC	I	N.C.
22	$\overline{\text{O-T-BASS}}$	O	T-bass circuit ON/OFF switch output (ON: L).
23	O-CDSW	O	CD block power supply control output (ON: H).
24	O-INIT	O	Initial setting output.
25	$\overline{\text{O-HSP}}$	O	High speed dubbing selector output (ON: L).
26	I-HOLD	I	Hold backup mode at “H”.
27	—	I	N.C.
28	I-RMT	I	Remote control input.
29	PAO	I	Initial setting input.
30	S1	O	LCD segment output.
31~40	S2~S11	O	LCD segment output and initial setting output at the same time.
41	VDD3	—	Microprocessor power supply.
42	VSS3	—	GND.
43	S12	O	LCD segment output.
44	S13	O	LCD segment output.
45~60	S16~31	O	LCD segment output.
61	V3	—	LCD drive bias power supply.
62	V2	—	LCD drive bias power supply.
63	V1	—	LCD drive bias power supply.
64	COM0	O	LCD common output.
65	COM1	O	LCD common output.

Pin No.	Pin name	I/O	Description
66	COM2	O	LCD common output.
67	COM3	O	N.C.
68	VSS2	—	GND.
69	VDD2	—	CD IC control data bus input/output.
70	I/O BUS0	I/O	CD IC control data bus input/output.
71	I/O BUS1	I/O	CD IC control data bus input/output.
72	I/O BUS2	I/O	CD IC control data bus input/output.
73	I/O BUS3	I/O	CD IC control data bus input/output.
74	\bar{O} -CCE	O	CD IC control chip enable output.
75	O-BUCK	O	CD IC control data bus clock output.
76	O-CDMUTE	O	CD mute output.
77	O-CLOSE	O	CD tray close output (Close ON: H).
78	O-OPEN	O	CD tray open output (Close ON: H).
79	O-CE	O	PLL chip enable output.
80	O-MSTB	O	Shift register (MAIN C.B.) data latch strobe output.

IC, TC9284AF

Pin No.	Pin Name	I/O	Description
1	GND A	—	D/A converter R-channel analog GND
2	RO	O	R-channel data positive output
3	\overline{RO}	O	R-channel data inverted output
4	VDA	—	D/A converter power supply (+5 V)
5	\overline{LO}	O	L-channel data inverted output
6	LO	O	L-channel data positive output
7	GND A	—	D/A converter L-channel analog GND
8~10	$\overline{TEST3}$ ~ $\overline{TEST5}$	I	TEST pin. Normally "H" (+5 V)
11	SBOK	O	Sub code data CRCC judgment result output. Judgment result OK: H (Not used)
12	VDDD	—	Digital power supply (+5 V)
13	GND D	—	Digital GND
14~17	BUS0~BUS3	I/O	μ processor interface, data input/output
18	CCE	I	μ processor interface, chip enable signal input. When "L" : BUS 3~0 are active
19	BUCK	I	μ processor interface, clock input
20	PFCK	O	PB frame sync output
21	\overline{RST}	I	Reset signal input. "L" at reset
22	SUBSYC	O	Sub code block sync output. When sub code is detected, "H" at S1 position
23	SUBD	O	Sub code P~W output
24	CLCK	I	Sub code P~W data read clock input
25	VDDD	—	Digital power supply (+5 V)
26	GND D	—	Digital GND
27	DFCT	O	Defect detection signal output. When defect is detected: "VREF", or "HiZ"
28	TEL2	O	Tracking gain adjustment analog switch output. "VREF", or "HiZ"
29	TEL1	O	Tracking gain adjustment analog switch output. "VREF", or "HiZ"
30	TGUL	O	Analog switch output for tracking servo gain up. Polarity in gain-up mode and normal mode can be selected by command
31	TGUH2	O	Analog switch output for tracking servo gain up. "HiZ" for gain-up, normally "VREF". TGUH1 during normal playback. TGUH2: not used
32	TUGH1	O	
33	TKIC	O	Tracking actuator kick signal output. NKICx and CKICx are used for kick during tracking gain adjustment. "2VREF" for outermost track. "O" for moving toward inner track. Normally "HiZ"
34	FMON	O	Analog switch output to turn ON/OFF the feed servo "HiZ" to turn ON servo. "VREF" to turn OFF servo
35	$\overline{TEST1}$	I	TEST pin. Normally "H" (Connected to +5 V)
36	FMFB	O	Feed motor FWD/BWD direction control signal output. "2VREF" for outmost track. "O" for moving toward inner track. Normally "HiZ"
37	\overline{TEST}	I	TEST pin. Normally "H" or open (Connected to +5 V)
38	DMON	O	Analog switch output to select gain of the disc motor drive circuit. "HiZ" for CLV servo OFF, "HiZ" or "VREF" can be selected by command

Pin No.	Pin Name	I/O	Description			
39	DMFC	O	Disc motor CLV servo AFC signal output			
			Operation	Command	DMFC output	
			Motor acceleration	DMFK	"2VREF"	
			CLV servo ON	DMSV	AFC signal (PWM)	
			Motor brake	DMBK	"L"	
			CLV servo OFF	DMOFF	"VREF"	
40	DMPC	O	Disc motor CLV servo APC signal output			
41	2VREF	—	Analog power supply (twice the "VREF" voltage)			
42	SEL	O	Servo mode select output. It turns ON/OFF the laser diode (LD) and focus servo.			
			SEL output	LD	Focus servo	Operating mode
			"L"	OFF	OFF	LD OFF
			"HiZ"	ON	OFF	Focus search
			"H"	ON	ON	Focus ON (normal play)
43	FCSI	O	Focus actuator drive signal output during focus search mode. "VDDA" to move the lens far from disc. "L" to move the lens closer to disc. Normally "HiZ"			
44	FKIC	O	Focus actuator drive signal output during focus adjustment mode. "VDDA" to move the lens far from disc. "L" to move the lens closer to disc. Normally "HiZ" (Not used)			
45, 46	FEL1, FEL2	O	Focus gain adjustment analog switch output. "VREF" or "HiZ" (Not used)			
47	FEI	I	Focus error signal input			
48	TESH	I	Analog switch input to track error signal sample-and-hold			
49	TEOF	O	Focus gain adjustment analog switch output. "VREF" or "HiZ"			
50	SBAD	I	Sub beam added signal input			
51	RFRP	I	RF ripple signal input			
52	VREF	—	Analog power supply			
53	RFI	I	RF signal input			
54	GNDA	—	Analog GND			
55	DTSC 2	O	Data slice control EFM signal inverted output			
56	MONIT	O	Internal signal monitored output. EFMO, PLCK or LOCK signals can be selected by command. Can be muted (Not used)			
57	DTSC 1	O	Data slice control EFM signal positive polarity output			
58	VDDA	—	Analog power supply (+5 V)			
59	PDCNT	I	PDO output control signal input. "L" to fix to "HiZ" forcibly. "H" : normal output (Connected to +5 V)			
60	PDO	O	Phase error signal between EFM and PLCK signals is output			
61	TMAX	O	TMAX detected result output			
			TMAX detected result	TMAX output		
			Longer than specified cycle	"L"		
			Shorter than specified cycle	"2VREF"		
			Within specified cycle	"HiZ"		

Pin No.	Pin Name	I/O	Description
62	LPFN	I	Low-pass filter amplifier inverted input
63	LPFO	O	Low-pass filter amplifier output
64	VCOF	O	VCO filter output
65	TESTX	I	TEST pin. Normally "H" or "L" (Connected to +5 V)
66	\overline{HS}	O	Double speed mode output. "H" : normal speed. "L" : double speed (Not used)
67	GNDD	—	Digital GND
68	SPDA	O	Processor status signal output (Not used)
69	COFS	O	Correction circuit frame clock (7.35 kHz) output (Not used)
70	WDCK	O	Word clock (88.2 kHz) output. SUBQ, BUF0V or 1PF can be selected by the μ processor command (Not used)
71	CHCK	O	Channel clock (44.1 kHz) output. "L" for L-channel. "H" for R-channel (Not used)
72	BCK	O	Bit clock (1.4112 MHz) output (Not used)
73	AOUT	O	Audio data output (Not used)
74	EMPH	O	Emphasis ON/OFF select signal. "H" : emphasis ON. "L" for emphasis OFF (Not used)
75	DOUT	O	DIGITAL SIGNAL output
76	$\overline{TEST2}$	I	TEST pin. Normally "H" (Connected to +5 V)
77	VDDX	—	Crystal oscillator circuit power supply (+5 V)
78	XI	I	External crystal oscillator is connected. (Crystal oscillator frequency 16.9344 MHz)
79	XO	O	External crystal oscillator is connected. (Crystal oscillator frequency 16.9344 MHz)
80	GNDX	—	Crystal oscillator GND

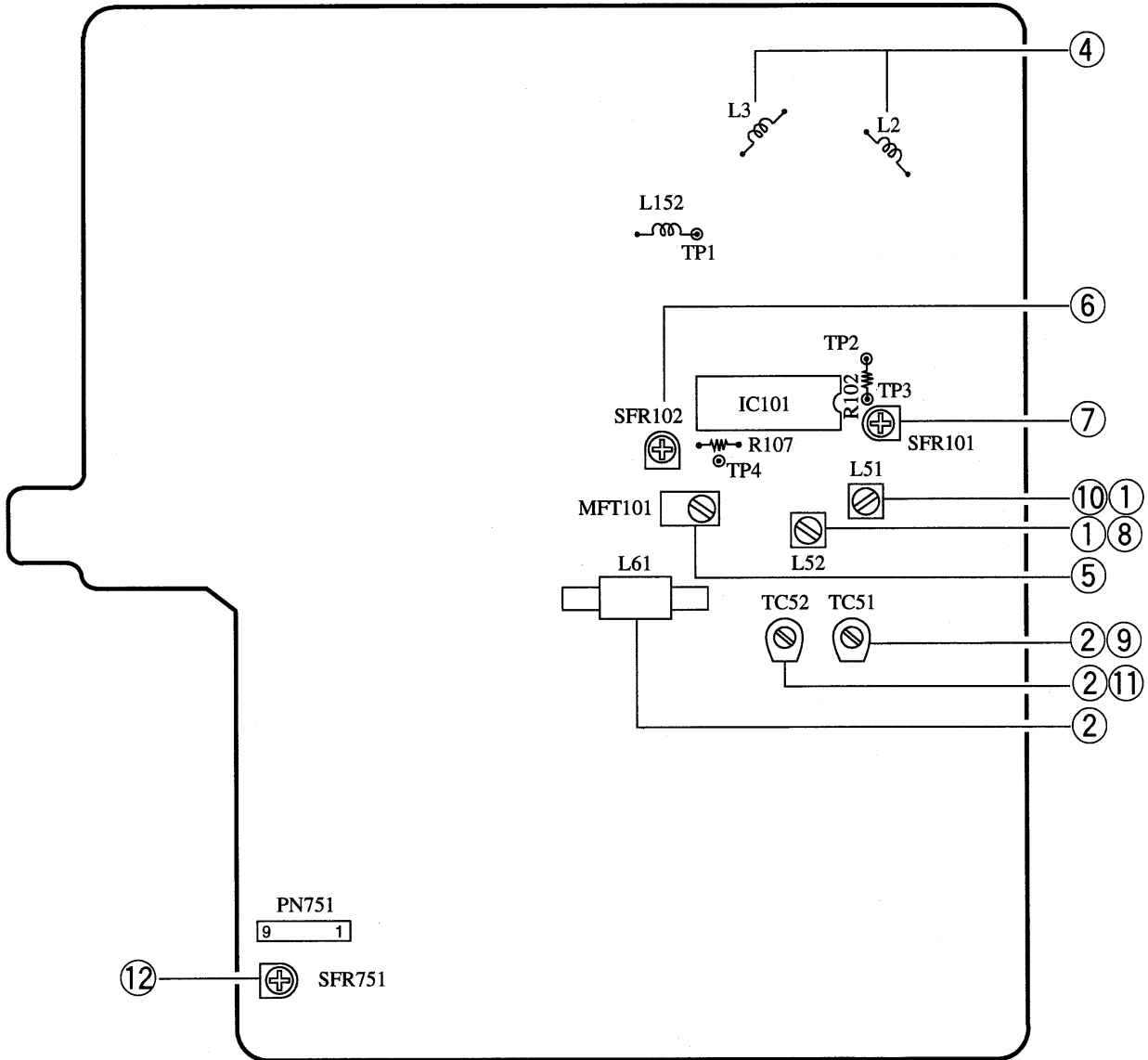
IC, TA2065F

Pin No.	Pin name	I/O	Description
1	RFO	O	RF amp (RF AMP) output terminal.
2	RFI	I	RF ripple signal generating circuit input terminal.
3	VRO	O	VR amp output terminal.
4	2VRO	O	2VR amp output terminal.
5	RFRP	O	RF ripple signal output terminal.
6	SBAD	O	Defects detection signal output terminal.
7	DFIN	I	Defect detecting comparator positive phase input terminal.
8	FEP	I	Focus error balance adjusting input terminal.
9	FEN	I	Focus error amp (FE AMP) negative phase input terminal.
10	FEO	O	Focus error amp (FE AMP) output terminal.
11	FEI	I	Focus output amp (FS AMP) positive phase input terminal.
12	FHLD	I	Hold switch terminal for defect.
13	FEL1	I	Focus gain adjusting terminal.
14	FEL2	I	Focus gain adjusting terminal.
15	FSN	I	Focus output amp (FS AMP) negative phase input terminal.
16	FSO	O	Focus output amp (FS AMP) output terminal.
17	COSC	O	Focus search signal generating capacitor connecting terminal.
18	OSCI	I	Focus search signal generating built-in current source control input terminal.
19	GND	—	Ground terminal.
20	VCC	—	Power source terminal.
21	SEL	I	Analog switch control signal input terminal.
22	DMEP	I	Disc motor amp (DM AMP) positive phase input terminal.
23	DMEN	I	Disc motor amp (DM AMP) negative phase input terminal.
24	DMEO	O	Disc motor amp (DM AMP) output terminal.
25	DFCT	I	Defect detecting comparator negative phase input terminal.
26	FMSO	O	Feed motor output amp (FMS AMP) output terminal.
27	FMSN	I	Feed motor output amp (FMS AMP) negative phase input terminal.
28	FMSP	I	Feed motor output amp (FMS AMP) positive phase input terminal.
29	THLD	I	Hold switch terminal for defect.
30	TS2O	O	Tracking servo amp 2 (TS2 AMP) output terminal.
31	TS2N	I	Tracking servo amp 2 (TS2 AMP) negative phase input terminal.
32	TS2P	I	Tracking servo amp 2 (TS2 AMP) positive phase input terminal.
33	TS1N	I	Tracking servo amp 1 (TS1 AMP) negative phase input terminal.
34	TS1P	I	Tracking servo amp 1 (TS1 AMP) positive phase input terminal.
35	TSO	O	Tracking output amp (TS AMP) output terminal.
36	TEL1	I	Tracking gain adjusting terminal.
37	TEL2	I	Tracking gain adjusting terminal.
38	TSN	I	Tracking output amp (TS AMP) negative phase input terminal.
39	TPO	O	Sub-beam I-V amp output terminal.
40	TPI	I	Sub-beam I-V amp input terminal.
41	TNI	I	Sub-beam I-V amp input terminal.

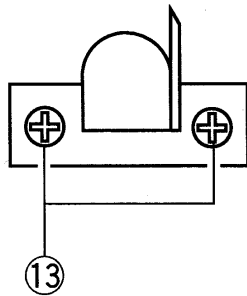
Pin No.	Pin name	I/O	Description
42	TNO	O	Sub-beam I-V amp output terminal.
43	FNI	I	Main-beam I-V amp input terminal.
44	FPI	I	Main-beam I-V amp input terminal.
45	LDO	O	Laser diode amp output terminal.
46	MDI	I	Monitor photo diode amp input terminal.
47	RFN	I	RF amp negative phase input terminal.
48	RFT	I	RF amp peaking terminal.

ELECTRICAL ADJUSTMENT

A MAIN C.B



RPH (DECK1) / PH (DECK2)



TUNER SECTION

1. MW VT Adjustment
 - Settings:
 - Test point: TP1
 - Adjustment location: L51 (HR), L52 (K, G, EZ, EEZ)
 - Method: Set to MW 531kHz adjust L51 (HR), L52 (K, G, EZ, EEZ) so that the test point becomes $1.3V \pm 0.05V$.
2. MW Tracking Adjustment
 - TC51 (K, G, EZ, EEZ)
 - TC52 (HR) 603kHz
 - L61 1404kHz
3. FM VT Check
 - Settings:
 - Test point: TP1
 - Method: Set to FM 87.5MHz and check that the test point is $4.0 \pm 0.1V$.
4. FM Tracking Adjustment
 - L2, 3 87.5MHz
5. DC Balance/MONO Distortion Adjustment
 - Settings:
 - Test point: TP2, TP3
 - Adjustment location: MFT101
 - Input level: 54dB
 - Method: Set to FM 98.0MHz and adjust MFT101 so that the voltage between TP2 and TP3 becomes $0V \pm 10mV$.
6. MW tuning Adjustment
 - Settings:
 - Adjustment location: SFR102
 - Method: Make setup for MW 603kHz. Adjust SFR102 so that the machine performs Auto Stop when $53 \pm 2dB$ is input.

* Confirm that TP4 is "L" at this time.
7. FM tuning Adjustment
 - Settings:
 - Adjustment location: SFR101
 - Method: Make setup for FM 87.5MHz. Adjust SFR101 so that the machine performs Auto Stop when $32 \pm 5dB$ is input.

* Confirm that TP4 is "L" at this time.

8. SW VT Adjustment (HR ONLY)
 - Settings:
 - Test point: TP1
 - Adjustment location: L52
 - Method: Set to SW 3.8MHz adjust L52 so that the test point becomes $1.4V \pm 0.05V$.
9. SW Tracking Adjustment (HR ONLY)
 - TC51 12.5MHz
10. LW VT Adjustment (K, G, EZ, EEZ ONLY)
 - Settings:
 - Test point: TP1
 - Adjustment location: L51
 - Method: Set to LW 153kHz adjust L51 so that the test point becomes $2.0V \pm 0.05V$.
11. LW Tracking Adjustment (K, G, EZ, EEZ ONLY)
 - TC52 288kHz

TAPE SECTION

12. Tape speed Adjustment (DECK2)
 - Settings:
 - Test tape: TTA-100 (TTA-111S)
 - Adjustment location: SFR751
 - Method: Play back the test tape with DECK1 and adjust SFR751 so that the output frequency is 3000Hz. After the adjustment, check that the frequency of DECK2 is $3000 \pm 55Hz$.
13. Azimuth Adjustment (DECK1, DECK2)
 - Settings:
 - Test tape: TTA-320
 - Adjustment location: Head azimuth adjustment screw
 - Method: Play back the 8kHz signal of the test tape and adjust screw so that the output becomes maximum. Next, perform on each FWD PLAY and REV PLAY mode.

PRACTICAL SERVICE FIGURE

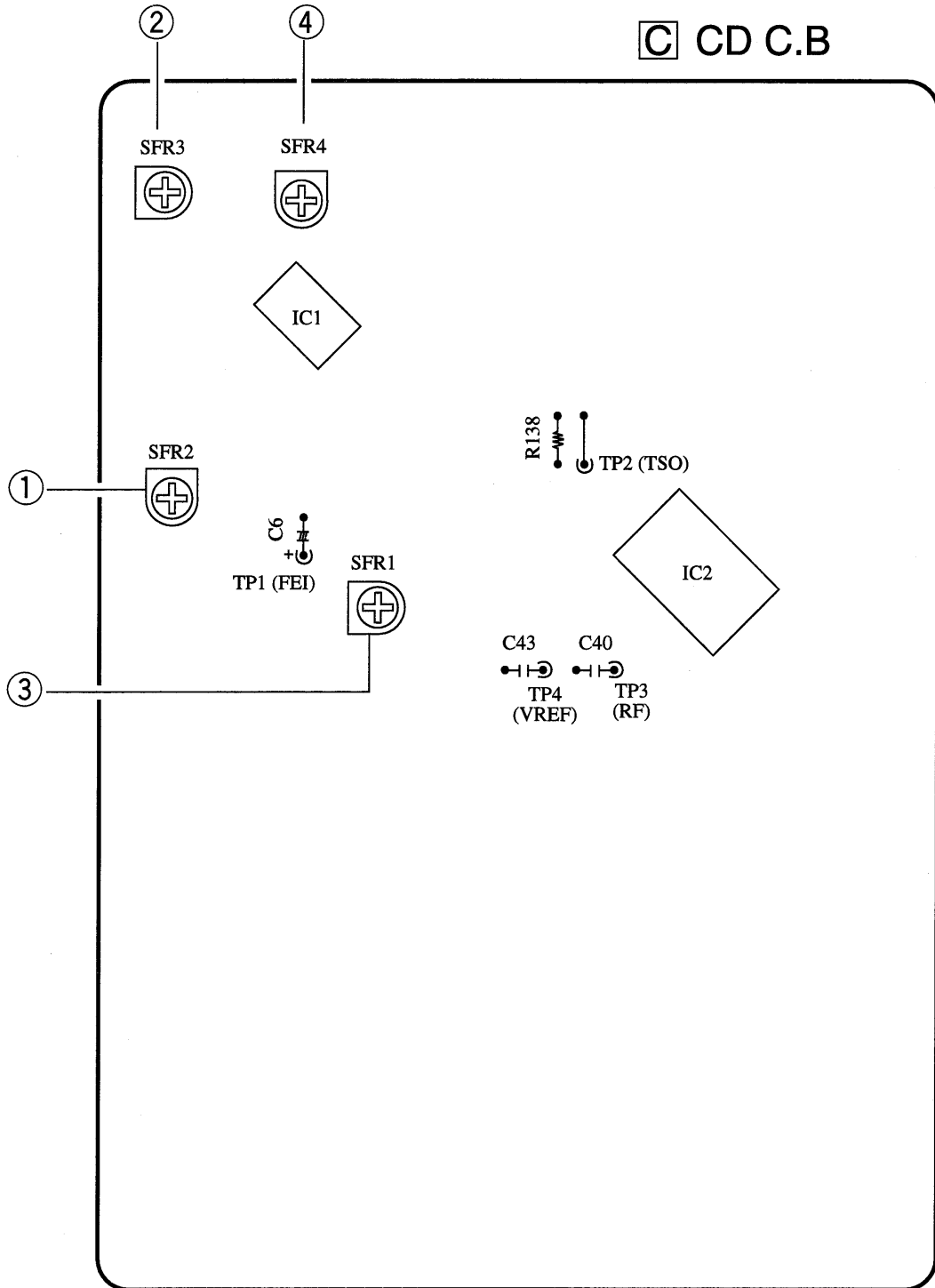
<RADIO SECTION>

Intermediate frequency: FM 10.7MHz
AM 450kHz
FM stereo separation: $27 \pm 3dB$ (98MHz)

<TAPE RECORDER SECTION>

Recording bias frequency: $71.5 \pm 0.5kHz$
Erasing ratio (W/FILTER): 50dB
Distortion (T, H, D 10%): Less than 4.8% (PB)
S/N ratio: 40dB (AC/DC, PB)
35dB (AC/DC, REC/PB)
Noise (PB): Less than 1mV
(AC/DC, MIN)
Tape speed: $3000 \pm \frac{3}{2}Hz$
Wow & flutter: 0.35% (JIS, UN WTD)
Take-up torque: 40~70g-cm
F.F & REW torque: Less than 50g-cm

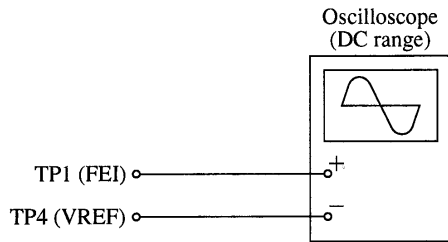
C CD C.B



(CD SECTION)

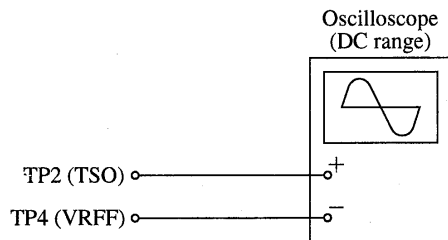
Note: · Connect a probe (10: 1) of the oscilloscope to a test point.

1. Focus offset Adjustment



- ① Make short-circuit between TP3 (RF) and TP4 (VREF) by wire.
- ② Connect an oscilloscope between test points TP1 (FEI) and TP4 (VREF).
- ③ Turn on the main power to the CD player.
- ④ Insert the test disc TCD-782 (YEDS-18) and reads the TOC data.
- ⑤ Adjust SFR2 so that the offset level is $0 \pm 10\text{mV}$.
- ⑥ Remove short-circuit after completing adjustment.

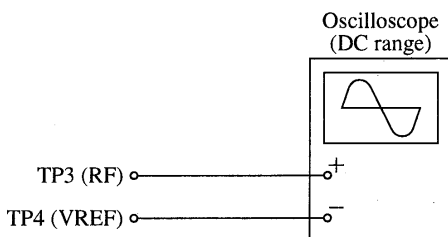
2. Tracking offset Adjustment



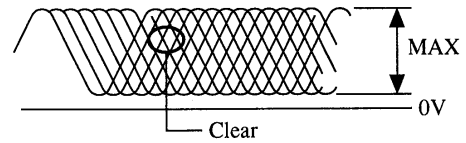
- ① Make short-circuit between TP3 (RF) and TP4 (VREF) by wire.
- ② Connect an oscilloscope between test points TP2 (TSO) and TP4 (VREF).
- ③ Turn on the main power to the CD player.
- ④ Insert the test disc TCD-782 and reads the TOC data.
- ⑤ Adjust SFR3 so that the offset level is $-10 \pm 10\text{mV}$.
- ⑥ Remove short-circuit after completing adjustment.

3. Focus Balance Adjustment

Make the focus bias adjustment when replacing and repairing the optical block.

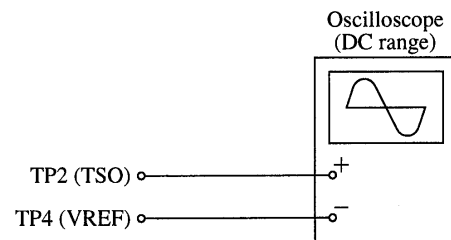


- ① Connect an oscilloscope to test points TP3 (RF) and TP4 (VREF).
- ② Turn on the power switch.
- ③ Insert test disc TCD-782 (YEDS-18) and play back the second composition.
- ④ Adjust SFR1 so that the level of RF wave to be maximum and clear.

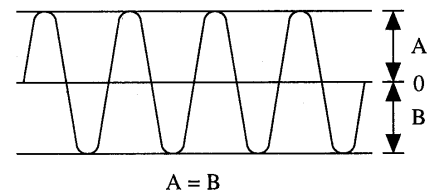


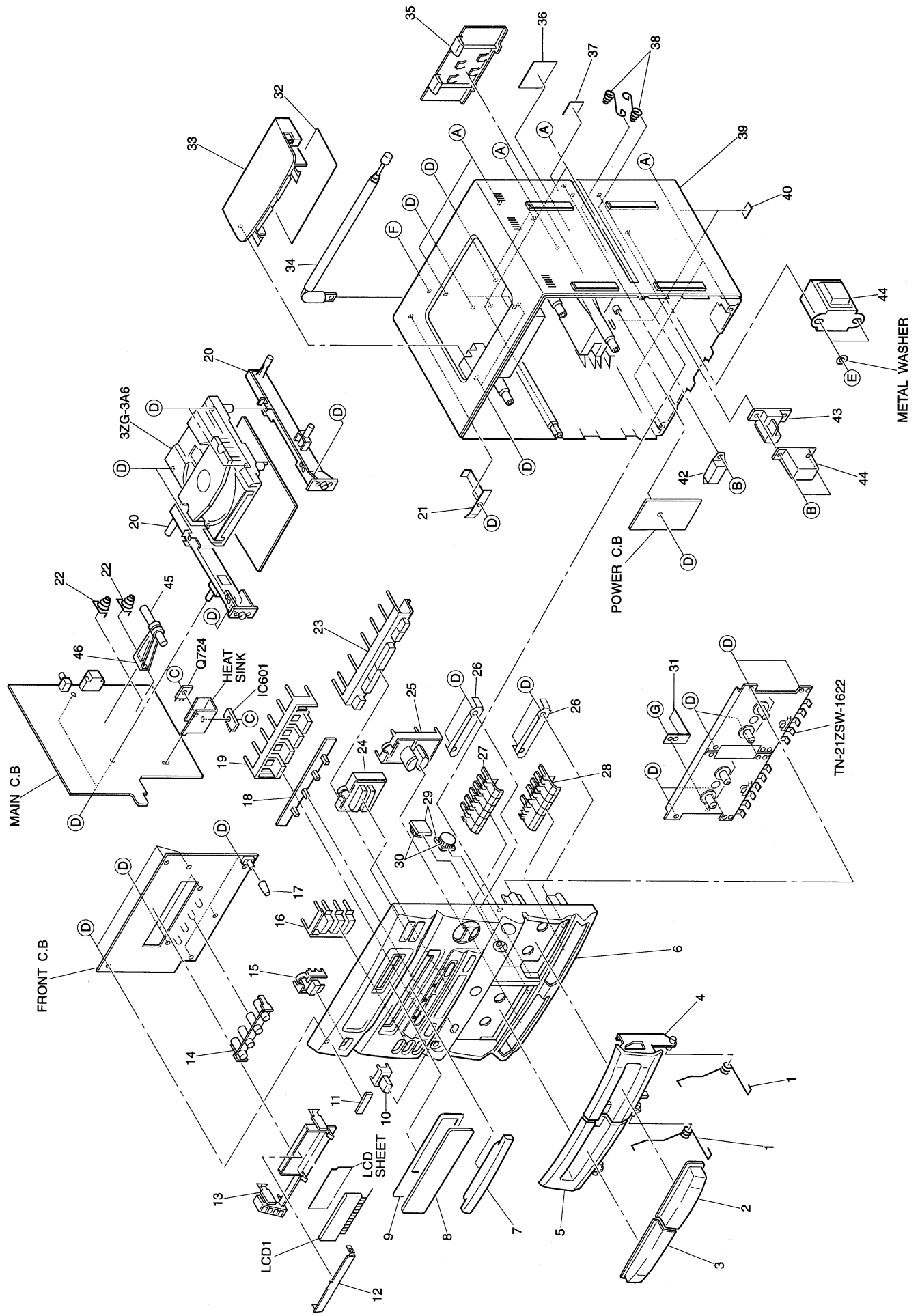
VOLT/DIV: 20mV
TIME/DIV: 0.2 μ S

4. Tracking Balance Adjustment



- ① Connect an oscilloscope to test points TP2 (TSO) and TP4 (VREF).
- ② Turn on the power switch.
- ③ Insert test disc TCD-782 (YEDS-18) and press the PLAY (▶) button.
- ④ Push and hold the [MS] button. (MS mode)
- ⑤ Adjust SFR4 so that the waveform on the oscilloscope is vertically symmetrical as shown in the figure below.



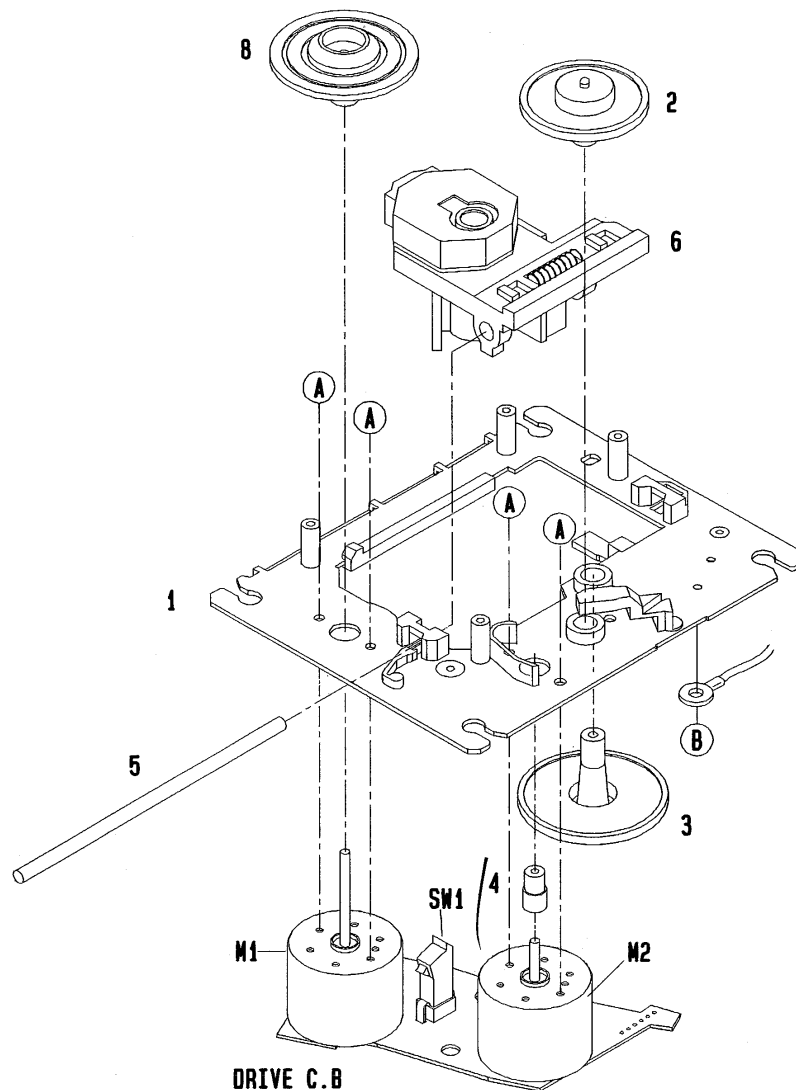


MECHANICAL PARTS LIST 1 / 1

DESCRIPTION で判断できない物は“REFERENCE NAME LIST”を参照してください。
 If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO.	PART NO.	カンリ NO.	DESCRIPTION	REF. NO.	PART NO.	カンリ NO.	DESCRIPTION
1	S7-738-390-000		SPR, CASS	31	S7-738-380-000		PLATE REC
2	S7-738-090-000		LENS, CASS (R)	32	S7-738-490-000		PLATE, TOP (BLK)
3	S7-738-080-000		LENS, CASS (L)	33	S7-738-050-000		PANEL, TOP (D-GRY)
4	S7-738-040-100		DOOR, CASS (R)	34	S0-172-380-000		ROD ANTENNA
5	S7-738-030-100		DOOR, CASS (L)	35	S7-738-070-000		DOOR, BAT (D-GRY)
6	S7-738-010-100		PANEL, FRONT	36	S7-738-250-000		PLATE CD-G 0.3MM
7	S7-738-060-100		DOOR, CD	37	S7-738-240-000		PLATE VOLTAGE<EXCEPT HR>
8	S7-738-100-100		LENS, LCD	38	S7-738-400-000		SPR, BAT (A)
9	S7-538-A30-010		LENS, FILTER	39	S7-738-020-000		CAB, BACK
10	S7-738-210-000		KNOB, HI-DUBBING (BLK)	40	S7-738-470-000		FOOT, RUBBER
11	S7-538-120-000		BADGE AIWA	41	S2-838-070-000		AC SOCKET COVER BLK
12	S7-738-280-000		COVER, LED	42	S1-200-000-030		SW, SLIDE SS12J01M-A-65<HR>
13	S7-738-270-000		HOLDER, LCD (WIT)	43	S2-201-000-050		SOCKET, AC MKJ-102
14	S7-738-290-000		GUIDE, FUNCTION-LED	44	S4-840-041-400		PT, TF EI-57 (EE, K) <EXCEPT HR>
15	S7-738-180-000		KNOB, POWER (BLK)	44	S4-540-041-300		PT, TF EI-57/30<HR>
16	S7-738-190-100		KNOB, EQ	45	S0-101-000-000		FERRI, BAR 10-100MM (LW) <K, G>
17	S7-738-130-000		KNOB, MIC (BLK)	46	S7-738-580-000		HOLDER, BAR<K, G>
18	S7-738-220-000		LENS, FUNCTION	A	87-751-104-410		VT2+3-30
19	S7-738-150-100		KNOB, FUNCTION	B	87-343-075-210		VT2+2.6-10
20	S7-738-260-000		CHASSIS CD (BLK)	C	87-741-095-410		VT2+3-8 (BLK)
21	S7-738-370-000		HOLDER ANT	D	87-741-097-410		VT2+3-12
22	S7-738-420-000		SPR, BAT (B)	E	87-743-103-410		SCREW, ST3-25
23	S7-738-140-100		KNOB, CONTINUE	F	87-761-100-410		VFT2+3-16 (BLK)
24	S7-738-160-000		KNOB, CD (BLK)		87-081-438-010		FW, 3-6-0.4<HR, K>
25	S7-738-170-000		KNOB, VOL (BLK)				
26	S7-738-360-000		HOLDER KNOB CASS				
27	S7-738-110-100		KNOB, CASS (L)				
28	S7-738-120-100		KNOB, CASS (R)				
29	S7-538-270-000		BRACKET, GEAR				
30	S7-538-280-000		GEAR				

CD MECHANISM EXPLODED VIEW 1 / 2

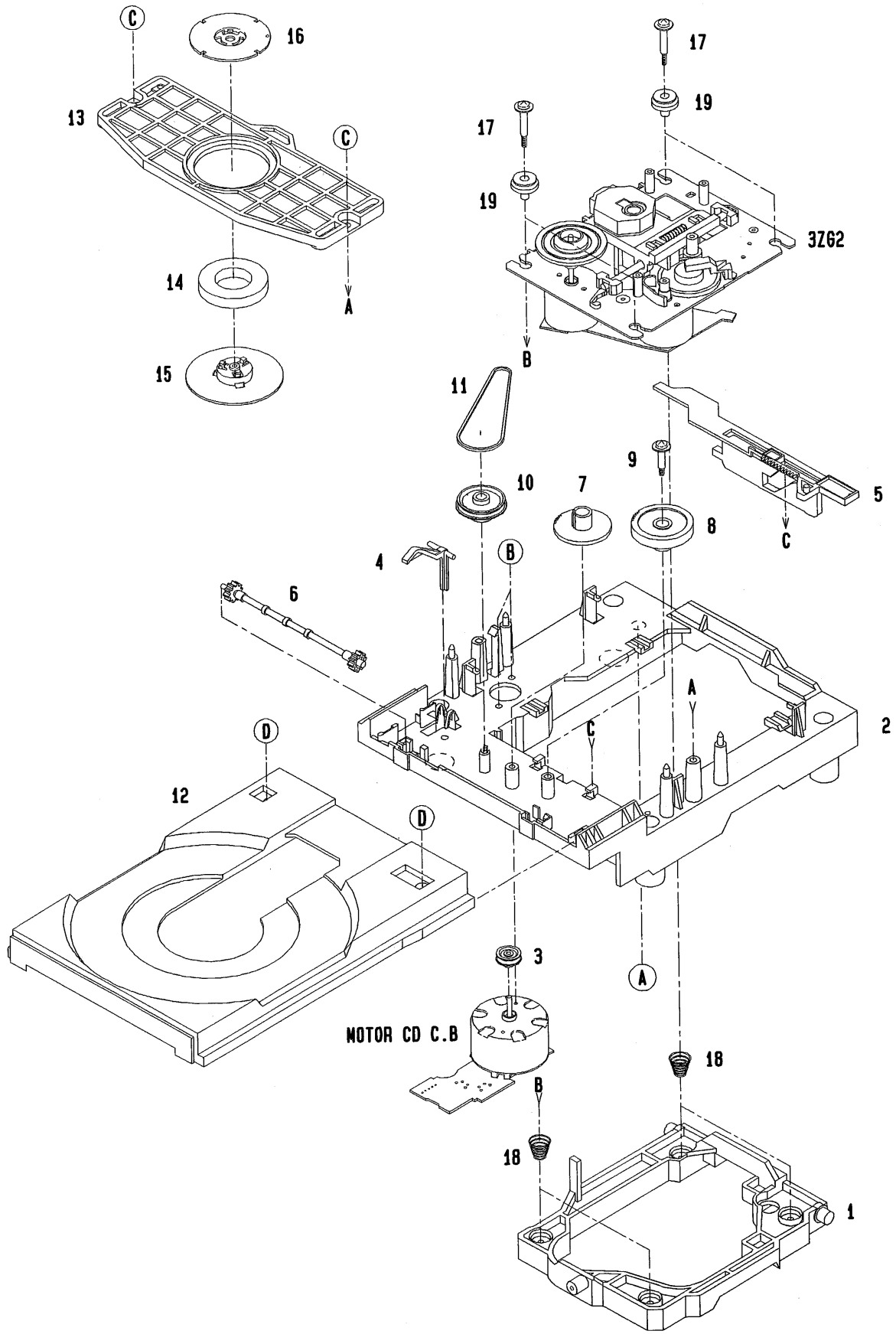


CD MECHANISM PARTS LIST 1 / 2

DESCRIPTION で判断できない物は“REFERENCE NAME LIST”を参照してください。
 If can't understand for Description please kindly refer to “REFERENCE NAME LIST”.

REF. NO.	PART NO.	カンリ NO.	DESCRIPTION
1	83-ZG2-202-51K		O-SERT S ASSY, S
2	83-ZG2-204-419		GEAR, A
3	83-ZG2-205-219		GEAR, B
4	83-ZG2-220-01K		GEAR MOTOR 2
5	83-ZG2-207-119		SHAFT, SLIDE
6	87-070-109-019		KSS 212A, PICKUP UNIT
8	83-ZG2-222-01K		TURN TABLE, A5
A	87-261-032-219		SCREW V+2-3
B	87-067-174-019		SCRE VTT+2-4

CD MECHANISM EXPLODED VIEW 2 / 2

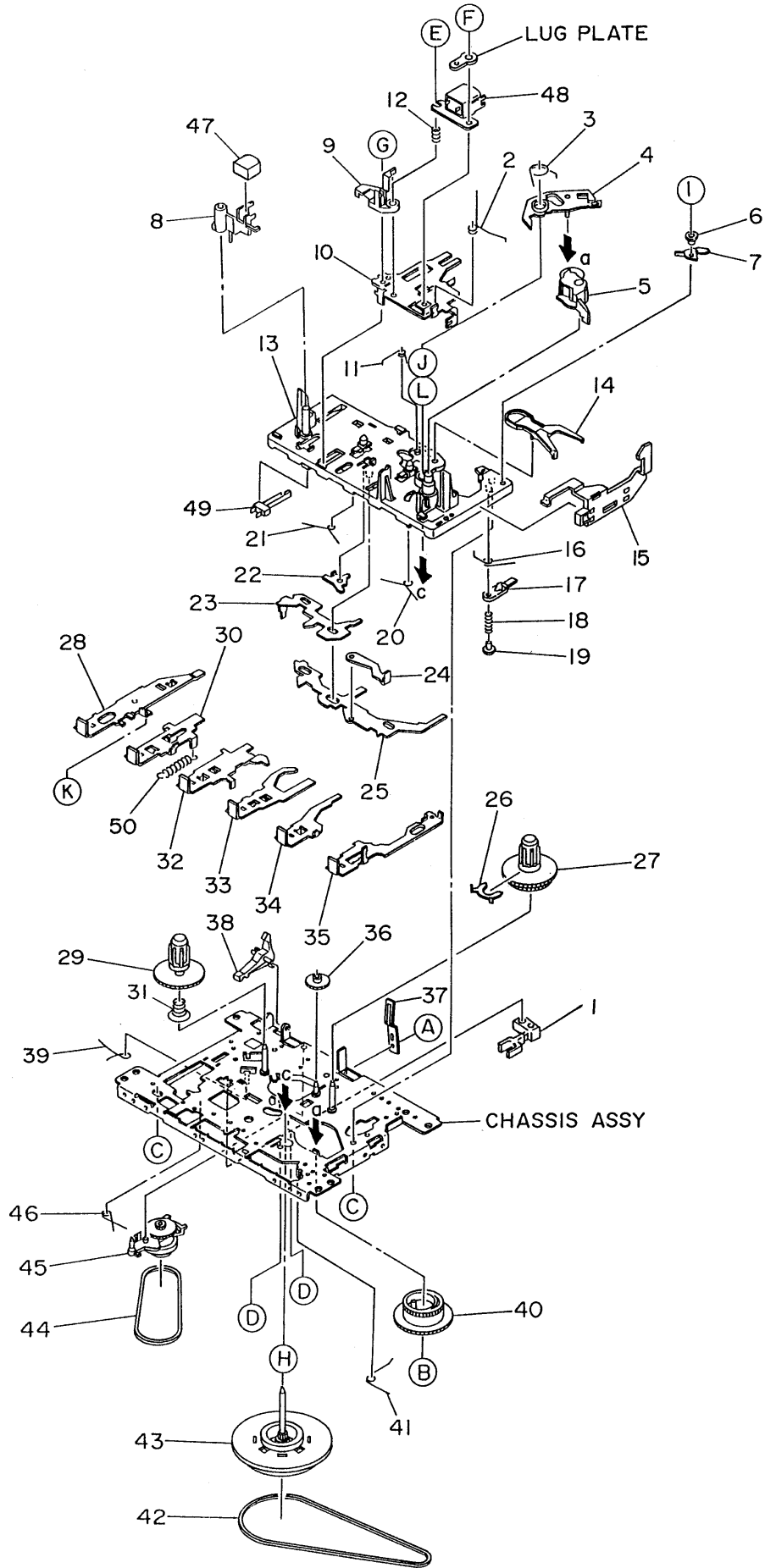


CD MECHANISM PARTS LIST 2 / 2

DESCRIPTION で判断できない物は “REFERENCE NAME LIST” を参照してください。
 If can't understand for Description please kindly refer to “REFERENCE NAME LIST”.

REF. NO.	PART NO.	カンリ NO.	DESCRIPTION	REF. NO.	PART NO.	カンリ NO.	DESCRIPTION
1	83-ZG3-202-01K		HLDR, MECH	16	83-ZG3-211-01K		PLATE, DISC
2	83-ZG3-228-21K		CHAS, L6	17	81-ZG1-254-019		S-SCEW, MECH HLDR
3	83-ZG3-208-01K		PULLEY, MOTOR	18	83-ZG3-216-019		SPR-C, L
4	83-ZG3-213-01K		LVR, SW	19	83-ZG3-215-019		CUSH-G, MAIN
5	83-ZG3-209-01K		CAM, SLIDE	A	87-067-945-119		VFT2+3-12 (F10)
6	83-ZG3-207-01K		GEAR, TRAY	B	87-251-071-119		U+2.6-4
7	83-ZG3-204-01K		GEAR, C	C	87-512-074-219		VFT2+2.6-8
8	83-ZG3-205-01K		GEAR, D	D	87-352-075-219		VT2+2.6-10
9	83-ZG3-217-019		S-SCREW, GEAR D				
10	83-ZG3-220-11K		GEAR, PULLEY 2				
11	83-ZG3-214-019		BELT, L				
12	83-ZG3-203-61K		TRAY, CD				
13	83-ZG3-210-01K		HLDR, CHUCK				
14	83-ZG3-602-010		RING, MAG				
15	83-ZG3-212-01K		CAP, DISC				

TAPE MECHANISM EXPLODED VIEW 1 / 2

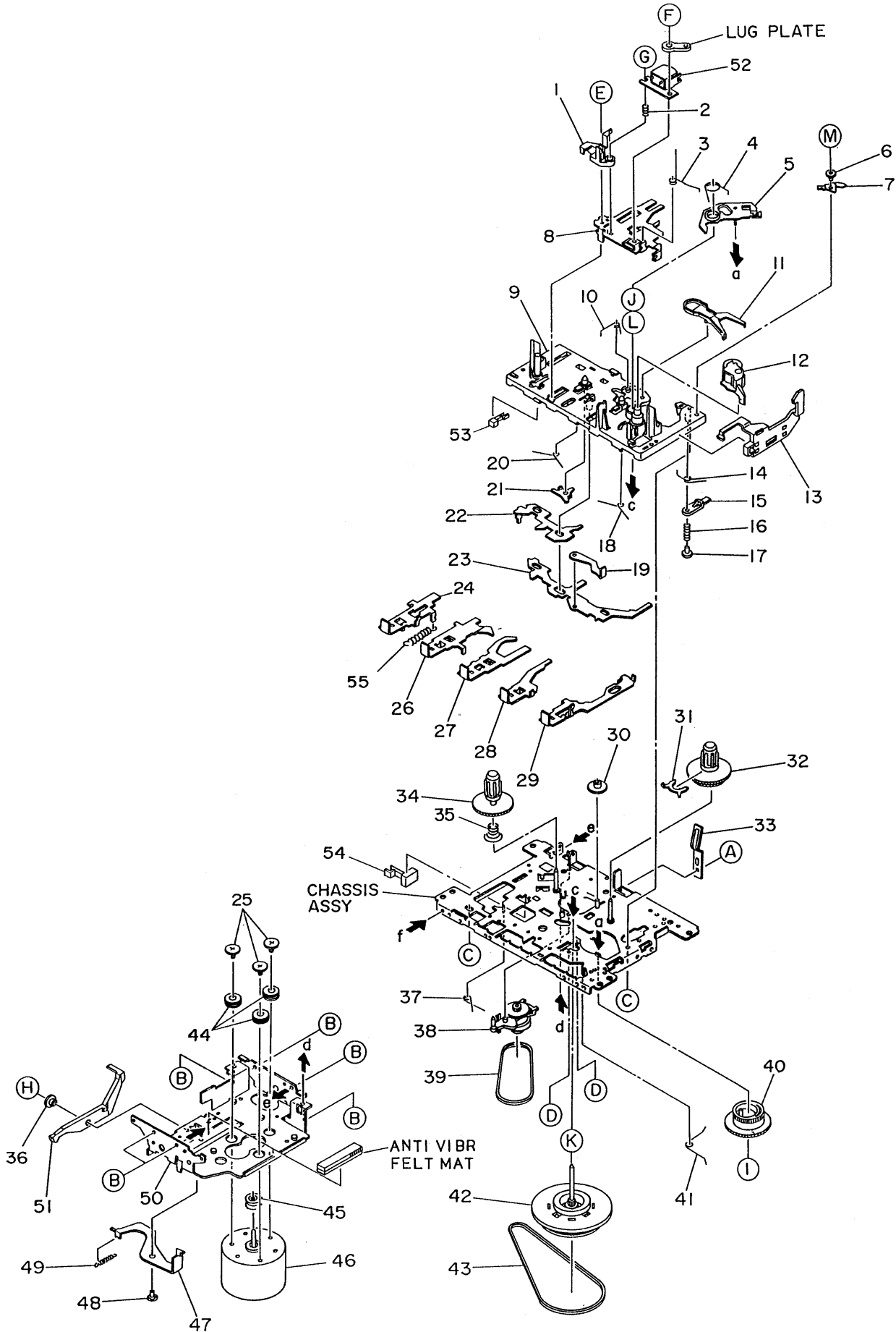


TAPE MECHANISM PARTS LIST 1 / 2

DESCRIPTION で判断できない物は “REFERENCE NAME LIST” を参照してください。
 If can't understand for Description please kindly refer to “REFERENCE NAME LIST”.

REF. NO.	PART NO.	カンリ NO.	DESCRIPTION	REF. NO.	PART NO.	カンリ NO.	DESCRIPTION
1	S6-401-011-610		LEAF SW MSW-17820MVEI	36	S1-821-100-700		FF GEAR
2	S1-921-030-030		PANEL P SPRING	37	S1-829-100-010		PACK SPRING
3	S1-921-260-050		GEAR PLATE SPRING	38	S1-821-100-690		RECORD SAFETY LEVER
4	S1-921-265-020		GEAR PLATE ASSY	39	S1-921-140-210		REC BUTTON LEVER SPRING
5	S1-921-043-090		PINCH ROLLER ARM ASY	40	S1-921-260-020		CAM GEAR
6	S1-921-140-370		P ARM COLLER	41	S1-921-140-160		E ACTUATOR SPRING
7	S1-921-140-340		P ARM	42	S1-921-090-240		MAIN BELT
8	S1-921-030-050		MG ARM	43	S1-921-093-030		FLYWHEEL ASSY
9	S1-921-030-4A0		HEAD BASE	44	S1-921-070-030		RF BELT
10	S1-921-030-110		HEAD PANEL	45	S1-921-073-080		RF CLUTCH ASSY
11	S1-921-141-8A0		M CONTROL SPRING	46	S1-921-140-170		P.S.LEVER SPRING
12	S1-821-030-070		AZIMUTH SPRING	47	S6-209-100-100		E HEAD PH-K380-MS1
13	S1-921-143-010		BASE ASSY	48	S6-201-011-110		HEAD,RP7442ES-0951
14	S1-921-260-4A0		SENSING LEVER	49	S6-401-011-520		LEAF SW MSW-1541F
15	S1-921-130-020		EJECT SLIDE LEVER	50	S1-821-010-500		PLAY BUTTON LEVER SPRING
16	S1-921-141-3A0		P CONTROL SPRING	A	S9-P33-200-320		DEL TITE SCREWM2-3
17	S1-921-140-820		PAUSE LEVER(F)	B	S9-422-000-000		P WASHER CUT 12-3.8-0.3
18	S1-921-140-120		PAUSE LEVER SPRING	C	S9-679-000-000		P TAP SCREW M2-5
19	S1-921-140-110		PAUSE STOPPER	D	S9-999-180-090		TAP SCREW M2-4.5
20	S1-921-140-150		BUTTON LEVER SPRING(B)	E	S9-922-000-000		AZIMUTH SCREW M2-8
21	S1-921-140-140		BUTTON LEVER SPRING(A)	F	S9-115-000-000		+ BIND SCREW M2-3
22	S1-921-140-200		PR STOPPER	G	S9-004-000-000		SCREW M2-6
23	S1-921-140-090		SWITCH ACTUATOR	H	S9-882-000-000		P WASHER 2-3.5-0.4
24	S1-821-011-590		E KICK LEVER	I	S9-999-200-410		P TAP SCREW M2-3
25	S1-921-140-080		PUSH BUTTON ACTUATOR	J	S9-999-030-130		P WASHER CUT 1.45-3.8-0.
26	S1-921-050-060		SENSER	K	S9-179-000-000		C TAP SCREW M2-3
27	S1-921-053-030		TAKE UP REEL ASSY	L	S9-999-000-030		P WASHER2.1-4-0.13
28	S1-921-140-220		REC BUTTON LEVER				
29	S1-921-053-040		SUPPLY REEL ASSY				
30	S1-921-140-230		PLAY BUTTON LEVER				
31	S1-829-100-100		BACK TENSION SPRING				
32	S1-921-140-240		REW BUTTON LEVER				
33	S1-921-140-250		FF BUTTON LEVER				
34	S1-921-140-260		STOP BUTTON LEVER				
35	S1-921-140-610		PAUSE BUTTON LEVER				

TAPE MECHANISM EXPLODED VIEW 2 / 2

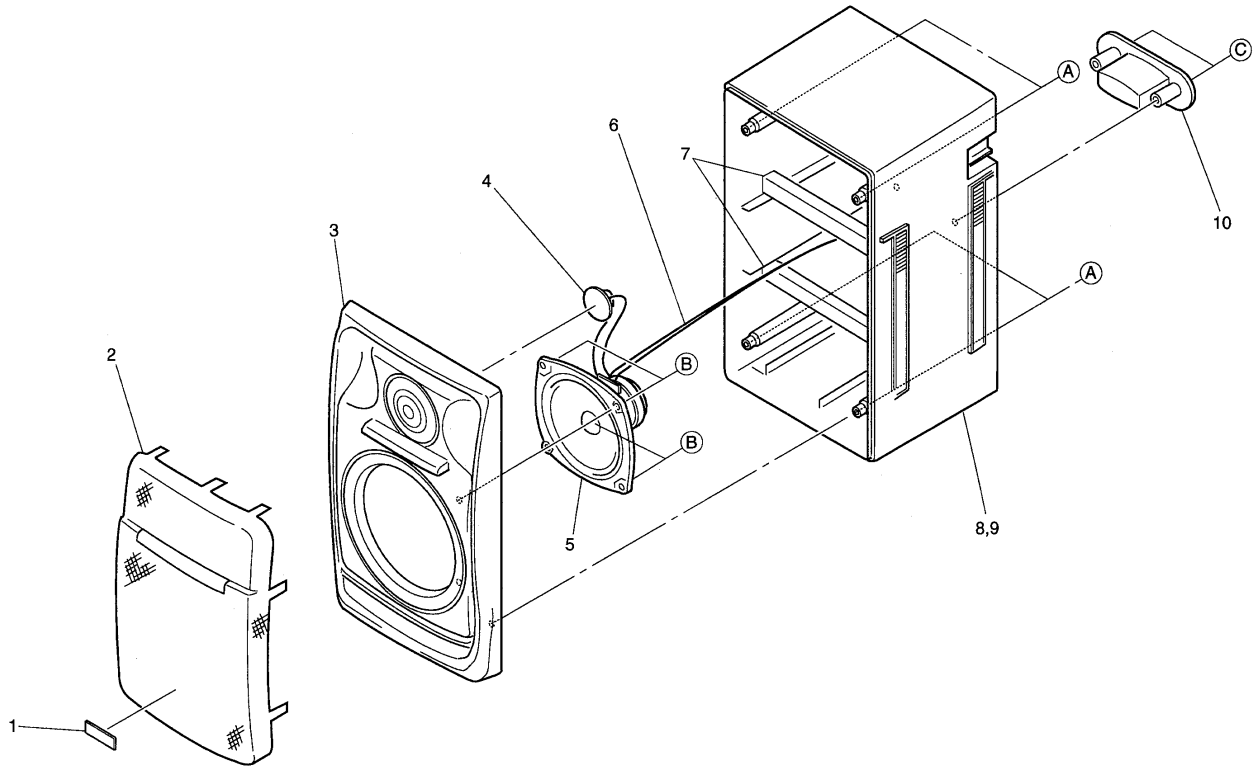


TAPE MECHANISM PARTS LIST 2 / 2

DESCRIPTION で判断できない物は“REFERENCE NAME LIST”を参照してください。
 If can't understand for Description please kindly refer to “REFERENCE NAME LIST”.

REF. NO.	PART NO.	カンリ NO.	DESCRIPTION	REF. NO.	PART NO.	カンリ NO.	DESCRIPTION
1	S1-921-030-4A0		HEAD BASE	36	S1-821-120-650		COLLER B
2	S1-821-030-070		AZIMUTH SPRING	37	S1-921-140-170		P.S.LEVER SPRING
3	S1-921-030-030		PANEL P SPRING	38	S1-921-073-080		RF CLUTCH ASSY
4	S1-921-260-050		GEAR PLATE SPRING	39	S1-921-070-030		RF BELT
5	S1-921-265-020		GEAR PLATE ASSY	40	S1-921-260-020		CAM GEAR
6	S1-921-140-370		P ARM COLLER	41	S1-921-140-160		E ACTUATOR SPRING
7	S1-921-140-340		P ARM	42	S1-921-093-040		FLYWHEEL ASSY
8	S1-921-030-110		HEAD PANEL	43	S1-921-090-240		MAIN BELT
9	S1-921-143-010		BASE ASSY	44	S1-820-130-060		MOTOR RUBBER
10	S1-921-141-8A0		M CONTROL SPRING	45	S1-921-120-130		MOTOR PULLEY
11	S1-921-260-4A0		SENSING LEVER	46	S6-002-030-290		MOTOR EG530YD-2BH
12	S1-921-043-090		PINCH ROLLER ARM ASY	47	S1-821-120-680		P KICK LEVER (A)
13	S1-921-130-020		EJECT SLIDE LEVER	48	S1-821-120-230		PK COLLER SCREW A
14	S1-921-141-3A0		P CONTROL SPRING	49	S1-821-120-250		P KICK LEVER SPRING
15	S1-921-140-820		PAUSE LEVER(F)	50	S1-921-120-110		MOTOR BRACKET
16	S1-921-140-120		PAUSE LEVER SPRING	51	S1-921-120-090		P KICK LEVER
17	S1-921-140-110		PAUSE STOPPER	52	S6-201-011-110		HEAD,RP7442ES-0951
18	S1-921-140-150		BUTTON LEVER SPRING(B)	53	S6-401-011-520		LEAF SW MSW-1541F
19	S1-821-011-590		E KICK LEVER	54	S6-401-011-610		LEAF SW MSW-17820MVET
20	S1-921-140-140		BUTTON LEVER SPRING(A)	55	S1-821-010-500		PLAY BUTTON LEVER SPRING
21	S1-921-140-200		PR STOPPER	A	S9-P33-200-320		DEL TITE SCREWM2-3
22	S1-921-140-090		SWITCH ACTUATOR	B	S9-180-000-000		C TAP SCREW M2-4
23	S1-921-140-080		PUSH BUTTON ACTUATOR	C	S9-679-000-000		P TAP SCREW M2-5
24	S1-921-140-230		PLAY BUTTON LEVER	D	S9-999-180-090		TAP SCREW M2-4.5
25	S1-821-120-020		MOTOR COLLER SCREW	E	S9-004-000-000		SCREW M2-6
26	S1-921-140-240		REW BUTTON LEVER	F	S9-115-000-000		+ BIND SCREW M2-3
27	S1-921-140-250		FF BUTTON LEVER	G	S9-922-000-000		AZIMUTH SCREW M2-8
28	S1-921-140-260		STOP BUTTON LEVER	H	S9-182-000-000		C TAP SCREW M2-6
29	S1-921-140-610		PAUSE BUTTON LEVER	I	S9-422-000-000		P WASHER CUT 12-3.8-0.3
30	S1-821-100-700		FF GEAR	J	S9-999-030-130		P WASHER CUT 1.45-3.8-0.
31	S1-921-050-060		SENER	K	S9-882-000-000		P WASHER 2-3.5-0.4
32	S1-921-053-030		TAKE UP REEL ASSY	L	S9-999-000-030		P WASHER2.1-4-0.13
33	S1-829-100-010		PACK SPRING	M	S9-999-200-410		P TAP SCREW M2-3
34	S1-921-053-040		SUPPLY REEL ASSY				
35	S1-829-100-100		BACK TENSION SPRING				

SPEAKER EXPLODED VIEW 1 / 1



SPEAKER PARTS LIST 1 / 1

DESCRIPTION で判断できない物は“REFERENCE NAME LIST”を参照してください。
 If can't understand for Description please kindly refer to “REFERENCE NAME LIST”.

REF. NO.	PART NO.	カンリ NO.	DESCRIPTION
1	S7-738-460-000		LOGO AIWA
2	S7-738-350-000		GRILL, SPKR
3	S7-738-300-100		PANEL, SPK
4	S3-270-010-000		BUZZER
5	S5-040-150-100		SPEAKER
6	S0-020-206-030		WIRE, SPK
7	S7-738-340-000		SUPPORT, WOOD
8	S7-738-310-000		CAB, SPKR (L)
9	S7-738-320-000		CAB, SPKR (R)
10	S7-738-330-000		HOLDER, CORD (BLK)
A	87-078-157-010		VT2+3-16
B	87-751-097-410		VT2+3-12
C	87-741-097-410		VT2+3-12

REFERENCE NAME LIST

ELECTRICAL SECTION

DESCRIPTION	REFERENCE NAME
ANT	ANTENNAS
C-	CHIP
C-CAP	CAP, CHIP
C-CAP TN	CAP, CHIP TANTALUM
C-COIL	COIL, CHIP
C-DI	DIODE, CHIP
C-DIODE	DIODE, CHIP
C-FET	FET, CHIP
C-FOTR	FILTER, CHIP
C-JACK	JACK, CHIP
C-LED	LED, CHIP
C-RES	RES, CHIP
C-SFR	SFR, CHIP
C-SLIDE SW	SLIDE SWITCH, CHIP
C-SW	SWITCH, CHIP
C-TR	TRANSISTOR, CHIP
C-VR	VOLUME, CHIP
C-ZENER	ZENER, CHIP
CAP, CER	CAP, CERA-SOL
CAP, E	CAP, ELECT
CAP, M/F	CAP, FILM
CAP, TC	CAP, CERA-SOL
CAP, TC-U	CAP, CERA-SOL SS
CAP, TN	CAP, TANTALUM
CERA FIL	FILTER, CERAMIC
CF	FILTER, CERAMIC
DL	DELAY LINE
E/CAP	CAP, ELECT
FILT	FILTER
FLTR	FILTER
FUSE RES	RES, FUSE
MOT	MOTOR
P-DIODE	PHOTO DIODE
P-SNSR	PHOTO SENSER
P-TR	PHOTO TRANSISTOR
POLY VARI	VARIABLE CAPACITOR
PPCAP	CAP, PP
PT	POWER TRANSFORMER
PTR, RES	PTR, MELF
RC	REMOTE CONTROLLER
RES NF	RES, NON-FLAMMABLE
RESO	RESONATOR
SHLD	SHIELD
SOL	SOLENOID
SPKR	SPEAKER
SW, LVR	SWITCH, LEVER
SW, RTRY	SWITCH, ROTARY
SW, SL	SWITCH, SLIDE
TC CAP	CAP, CERA-SOL
THMS	THERMISTOR
TR	TRANSISTOR
TRIMMER	CAP, TRIMMER
TUN-CAP	VARIABLE CAPACITOR
VIB, CER	RESONATOR, CERAMIC
VIB, XTAL	RESONATOR, CRYSTAL
VR	VOLUME
ZENER	DIODE, ZENER
サージサプレッサ	SERGESUPPRESSOR
セラコン	CAP,CERA

MECHANICAL SECTION

DESCRIPTION	REFERENCE NAME
ADHESHIVE	SHEET ADHESHIVE
AZ	AZIMUTH
BAR-ANT	BAR-ANTENNA
BAT	BATTERY
BATT	BATTERY
BRG	BEARING
BTN	BUTTON
CAB	CABINET
CASS	CASSETTE
CHAS	CHASSIS
CLR	COLLAR
CONT	CONTROL
CRSR	CURSOR
CU	CUSHION
CUSH	CUSHION
DIR	DIRECTION
DUBB	DUBBING
FL	FRONT LOADING
FLY-WHL	FLYWHEEL
FR	FRONT
FUN	FUNCTION
G-CU	G-CUSHION
HDL	HANDOL
HIMERON	CLOTH
HINGE, BAT	HINGE, BATTERY
HLDR	HOLDER
HT-SINK	HEAT SINK
IB	INSTRUCTION BOOKLET
IDLE	IDLER
IND, L-R	INDICATOR, L-R
KEY, CONT	KEY, CONTROL
KEY, PRGM	KEY, PROGRAM
KNOB, SL	KNOB, SLIDE
LBL	LABEL
LID, BATT	LID, BATTERY
LID, CASS	LID, CASSETTE
LVR	LEVER
P-SP	P-SPRING
PANEL, CONT	PANEL, CONTROL
PANEL, FR	PANEL, FRONT
PRGM	PROGRAM
PULLY, LOAD MO	PULLY, LOAD MOTOR
RBN	RIBBON
S-	SPECIAL
SEG	SEGMENT
SH	SHEET
SHLD-SH	SHIELD-SHEET
SL	SLIDE
SP	SPRING
SP-SCREW	SPECIAL-SCREW
SPACER, BAT	SPACER, BATTERY
SPR	SPRING
SPR-P	P-SPRING
SPR-PC-PUSH	P-SPRING, C-PUSH
T-SP	T-SPRING
TERM	TERMINAL
TRIG	TRIGGER
TUN	TUNING
VOL	VOLUME
W	WASHER
WHL	WHEEL
WORM-WHL	WORM-WHEEL
ジグアーム	ARM,SHAFT
ジグガイド	GUIDE,SHAFT
ストラップ	STRAP
トクナベ	S-SCREW
ヒンジ	HINGE
ヒンジビス	S-SCREW
ビスセレート	SCREW,SERRART

サービス技術ニュース	
番号	連絡内容
G - -	
G - -	
G - -	

アイワ株式会社
AIWA CO.,LTD.

912162

Tokyo Japan